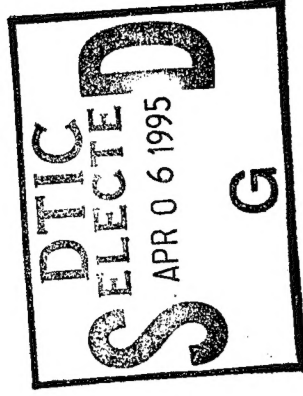


# DEPARTMENT OF THE AIR FORCE

COMMITTEE STAFF PROCUREMENT BACKUP BOOK  
1996/97 BUDGET ESTIMATES  
FEBRUARY 1995



19950403 061

## AIRCRAFT PROCUREMENT, AIR FORCE VOLUME I

DISTRIBUTION STATEMENT A

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## AIRCRAFT PROCUREMENT

FY 1996 PRESIDENT'S BUDGET SUBMISSIONTABLE OF CONTENTS

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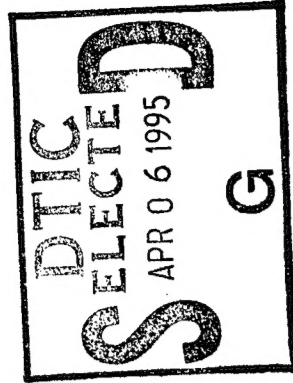
Non-Developmental Airlift Aircraft /Strategic Airlift  
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BUDGET PROGRAMS (BP)

Aircraft Spares (BP-1500/1600)  
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## DEPARTMENT OF THE AIR FORCE

## FY 1996 PROCUREMENT PROGRAM

25 JAN 1995

SUMMARY  
(\$ IN MILLIONS)

## APPROPRIATION: AIRCRAFT PROCUREMENT, AIR FORCE

ACTIVITY	FY 1994	FY 1995	FY 1996	FY 1997
01. COMBAT AIRCRAFT	1,208.4	570.6	336.3	347.2
02. AIRLIFT AIRCRAFT	2,226.5	2,373.3	2,674.9	2,732.9
03. TRAINER AIRCRAFT	150.7	246.7	59.3	113.6
04. OTHER AIRCRAFT	580.6	656.2	494.4	509.1
05. MODIFICATION OF INSERVICE AIRCRAFT	996.1	1,107.8	1,149.7	1,291.9
06. AIRCRAFT SPARES AND REPAIR PARTS	415.7	485.5	603.6	748.6
07. AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES	869.7	867.2	865.8	833.6
TOTAL	6,447.7	6,307.3	6,183.9	6,576.9

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DEPARTMENT OF THE AIR FORCE  
FY 1996 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 25 JAN 1995

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		MILLIONS OF DOLLARS				S		
			FY 1996 UNIT COST	FY 1996 QUANTITY	FY 1994 QUANTITY	FY 1994 COST	FY 1995 QUANTITY	FY 1995 COST		FY 1996 QUANTITY	FY 1996 COST
BUDGET ACTIVITY 01: COMBAT AIRCRAFT											
STRATEGIC OFFENSIVE											
1	B-1B (MYP)	B				165.8	138.3	56.3		77.4	U
2	B-2A (MYP)	B				564.7	337.0	279.9		216.9	U
TACTICAL FORCES											
3	ADVANCED TACTICAL FIGHTER ADVANCE PROCUREMENT (CY) (FY 1997 FOR FY 1998) (MEMO)									52.9	U
4	F-15A	A				28.6	20.3			(52.9)	U
5	F-16 C/D (MYP) LESS: ADVANCE PROCUREMENT (PY)	A		12		(587.8) (-138.5)	(75.0)				U
						449.3	75.0				
TOTAL COMBAT AIRCRAFT						1,208.4	570.6	336.3		347.2	
BUDGET ACTIVITY 02: AIRLIFT AIRCRAFT											
TACTICAL AIRLIFT											

\* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE  
FY 1996 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 25 JAN 1995

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 1996 UNIT COST	MILLIONS OF DOLLARS				S E C
				---FY 1994--- QUANTITY COST	---FY 1995--- QUANTITY COST	---FY 1996--- QUANTITY COST	---FY 1997--- QUANTITY COST	
6	C-17 (MYP)	B	324,048,875	6 (2115.0)	6 (2400.3)	8 (2592.4)		(72.0)U
	LESS: ADVANCE PROCUREMENT (PY)			(-250.9)	(-248.2)	(-189.9)		
			1864.1		2152.1	2402.5		72.0
7	C-17 (MYP)							
	ADVANCE PROCUREMENT (CY)			222.2	189.9			U
	(FY 1994 FOR FY 1995) (MEMO)			(222.2)	(189.9)			
	(FY 1995 FOR FY 1996) (MEMO)							
	OTHER AIRLIFT							
8	C-130H	A		42.2	31.3			U
9	C-130J	A	44,304,000			2 88.6	2 92.8	U
	STRATEGIC AIRLIFT							
10	STRATEGIC AIRLIFT	A				183.8	2568.1	U
	NON DEVELOPMENT AIRLIFT							
11	NON DEVELOPMENT AIRLIFT AIRCRAFT	A		98.0	*			U
	TOTAL AIRLIFT AIRCRAFT			2,226.5	2,373.3	2,674.9	2,732.9	
	BUDGET ACTIVITY 03: TRAINER AIRCRAFT							
	OPERATIONAL TRAINERS							
12	ENHANCED FLIGHT SCREENER	A		33 9.9		3 92.7	3 55.0	U
13	JPATS	A	18,322,666				12 109.1	U

\* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE  
FY 1996 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 25 JAN 1995

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		FY 1994		FY 1955		FY 1996		FY 1997	
			UNIT	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST
14	TANKER, TRANSPORT, TRAINER SYSTEM	B	35	140.8	32	154.1	4.4	4.5	U			
TOTAL TRAINER AIRCRAFT				150.7		246.7	59.3	113.6				
BUDGET ACTIVITY 04: OTHER AIRCRAFT												
MISSION SUPPORT AIRCRAFT												
15	CIVIL AIR PATROL A/C	A	96,185	27	3.6	1.4	2.6	2.7	U			
16	DRUG INTERDICTION	A		3.0					U			
OTHER AIRCRAFT												
17	E-8B	B	268,167,000	2	(509.9)	(559.6)	2	(536.3)	2	(515.3)U		
LESS: ADVANCE PROCUREMENT (PY)					(-78.3)	(-123.7)		(-141.7)		(-120.0)		
					431.5	435.9		394.6		395.2		
18	E-8B											
ADVANCE PROCUREMENT (CY)					123.7	218.8		97.1		111.1		
(FY 1994 FOR FY 1995) (MEMO)					(123.7)	(141.7)						
(FY 1995 FOR FY 1996) (MEMO)						(22.9)						
(FY 1996 FOR FY 1997) (MEMO)						(24.6)						
(FY 1997 FOR FY 1998) (MEMO)						(29.6)						
(FY 1998 FOR FY 1999) (MEMO)								(97.1)		(111.1)		
(FY 1999 FOR FY 2000) (MEMO)												
(FY 2000 FOR FY 2001) (MEMO)												
19	SOF A/C CSE	A		18.7								
TOTAL OTHER AIRCRAFT					580.6	656.2		494.4		509.4		

\* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE  
FY 1996 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 25 JAN 1995

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 1996 UNIT COST	---FY 1994--- QUANTITY COST	---FY 1995--- QUANTITY COST	---FY 1996--- QUANTITY COST	---FY 1997--- QUANTITY COST	S E C
---------	-------------------	------------	-----------------------------------	--------------------------------	--------------------------------	--------------------------------	--------------------------------	-------------

BUDGET ACTIVITY 05: MODIFICATION OF INSERVICE AIRCRAFT

STRATEGIC AIRCRAFT

20 B-2A	A	21.9	64.0	17.3	5.6 U
21 B-1B	A	29.0	40.3	75.4	131.4 U
22 B-52	A	37.4	33.3	4.9	10.0 U
23 F-117	A	11.8	11.1	47.7	39.6 S

TACTICAL AIRCRAFT

24 A-10	A	29.6	46.8	79.4	44.1 U
25 F/RF-4	A	*	1.6	.1	.1 U
26 F-15	A	264.9	184.8	79.5	143.1 U
27 F-16	A	111.1	110.0	118.6	143.1 U
28 EF-111	A	3.8	2.0	1.9	U
29 F-111	A	13.6	5.0	U	U
30 T/AT-37	A	1.9	1.4	.5	.6 U

AIRLIFT AIRCRAFT

31 C-5	A	38.1	28.5	45.4	22.6 U
32 C-9	A	11.8	6.7	4.1	4.7 U

\* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE  
FY 1996 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 25 JAN 1995

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		FY 1996		FY 1994		FY 1995		FY 1996		FY 1997	
			UNIT COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY
33	C-17A	A			3.5		6.1		12.7		24.4	U		
34	C-21	A			.3		2.5		4.7		4.0	U		
35	C-22	A					5.1		.7		.4	U		
36	C-STOL	A			.1		.7		.3		.8	U		
37	C-137	A			3.5		1.4		2.4		1.5	U		
38	C-141	A			29.2		14.4		95.2		53.3	U		
TRAINER AIRCRAFT														
39	T-1	A							5.8		8.5	U		
40	T-3 (EFS) AIRCRAFT	A							.1		.2	U		
41	T-38	A			14.3		25.4		11.5		15.4	U		
42	T-41 AIRCRAFT	A			.2		*		*		*	U		
43	T-43	A			1.9		5.3		5.4		1.1	U		
OTHER AIRCRAFT														
44	KC-10A (ATCA)	A			36.7		17.9		20.7		15.6	U		
45	C-12	A			.3		1.3		3.2		3.1	U		
46	C-18	A			.2		2.1		2.7		1.1	U		
47	C-20 MODS	A			.1		6.4		7.8		2.0	U		

\* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE  
FY 1996 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 25 JAN 1995

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		MILLIONS OF DOLLARS				S	
			FY 1996 UNIT COST	FY 1994	FY 1995 QUANTITY	FY 1995 COST	FY 1996 QUANTITY	FY 1996 COST		FY 1997 QUANTITY
48	VC-25A MOD	A		9.8		.8		7.8		1.9 U
49	C-130	A		118.8		76.5		84.4		92.5 U
50	C-135	A		61.1		77.3		142.8		188.5 U
51	E-3	A		4.6		136.6		230.4		270.3 U
52	E-4	A		10.4		35.0		1.0		1.6 U
53	H-1	A		.1				6.2		5.5 U
54	H-60	A		26.1		.3				7.3 U
55	OTHER AIRCRAFT	A		72.0		40.5		29.4		40.7 U
OTHER MODIFICATIONS										
56	CLASSIFIED PROJECTS	A		28.3		48.4				7.2 U
57	DARP	A				68.2				U
TOTAL MODIFICATION OF INSERVICE AIRCRAFT										
				996.1		1,107.8		1,149.7		1,291.9
BUDGET ACTIVITY 06: AIRCRAFT SPARES AND REPAIR PARTS										
AIRCRAFT SPARES + REPAIR PARTS										
58	SPARES AND REPAIR PARTS	A		415.7		485.5		603.6		748.6 U
				415.7		485.5		603.6		748.6
TOTAL AIRCRAFT SPARES AND REPAIR PARTS										

\* ITEMS UNDER \$50,000

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## UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE  
FY 1996 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 25 JAN 1995

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		MILLIONS OF DOLLARS				S E C	
			UNIT COST	FY 1996	QUANTITY	COST	QUANTITY	COST		QUANTITY
BUDGET ACTIVITY 07: AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES										
COMMON AGE										
59	COMMON AGE	A			190.5		225.6		216.0	191.9 U
POST PRODUCTION SUPPORT										
60	F-15 POST PRODUCTION SUPPORT	A						14.0		11.6 U
61	F-16 POST PRODUCTION SUPPORT							194.7		84.3 U
INDUSTRIAL PREPAREDNESS										
62	INDUSTRIAL PREPAREDNESS				25.1		51.1	48.7		35.0 U
63	BOMBER INDUSTRIAL BASE SUPPORT						125.0			U
WAR CONSUMABLES										
64	WAR CONSUMABLES	A			17.9		18.4	25.5		31.5 U
OTHER PRODUCTION CHARGES										
65	OTHER PRODUCTION CHARGES	A			607.2		234.9	167.7		342.6 U
66	CANCELLED ACCOUNT ADJUSTMENTS	A			3.1					U
COMMON ECM EQUIPMENT										

\* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE  
FY 1996 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 25 JAN 1995

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 1996 UNIT COST	MILLIONS OF DOLLARS								S E
				FY 1994		FY 1995		FY 1996		FY 1997		
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
67	COMMON ECM EQUIPMENT				25.9		16.8		4.9		4.7 U	
	DARP											
68	DARP						195.4		194.4		132.0 U	
TOTAL AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES												
					869.7		867.2		865.8		833.6	
TOTAL AIRCRAFT PROCUREMENT, AIR FORCE												
					6,447.7		6,307.3		6,183.9		6,576.9	

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## AIRCRAFT PROCUREMENT, AIR FORCE

For construction, procurement, and modification of aircraft and equipment, including armor and armament, specialized ground handling equipment and training devices, spare parts, and accessories therefor; specialized equipment; expansion of public and private plants, Government-owned equipment and installation thereof in such plants, erection of structures, and acquisition of land, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes including rents and transportation of things; ,  
to remain available for obligation until September 30, .

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COMPARISON OF FY 1994 PROGRAM REQUIREMENTS AS REFLECTED  
IN FY 1995 PB WITH 1994 PROGRAM REQUIREMENTS  
AS SHOWN IN FY1996 PB

SUMMARY OF REQUIREMENTS (In Thousands)

	FY 94 Col Total Program Requirements per FY 95 PB	FY 94 Col Total Program Requirements per FY 96 PB	Increase or Decrease ( )
Combat Aircraft	1,233,165	1,208,422	(24,743)
Airlift Aircraft	2,308,572	2,226,461	(82,111)
Trainer Aircraft	150,699	150,699	0
Other Aircraft	582,421	580,604	(1,817)
Modification of In-Service Aircraft	1,005,388	996,139	(9,249)
Aircraft Spares and Repair Parts	425,677	415,691	(9,986)
ACFT Support Equipment and Facilities	899,112	869,686	(29,426)
Reimbursable Program	99,900	42,968	(56,932)
Total Fiscal Year Program	6,704,934	6,490,670	(214,264)

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EXPLANATION OF CHANGES WITHIN BUDGET ACTIVITY

(\$ in Millions)

**1. Combat Aircraft: -\$24.7**

Decrease is the result of net adjustment for the following reprogrammings: Reprogrammings for upward adjustments from the B-1 (-\$2.7) and the F-16 (-\$.1), below threshold reprogrammings from the B-2 (-\$7.0) for the C-130 and for the B-1 (\$6.1), and omnibus reprogramming from the F-16 (-\$21.0).

**2. Airlift Aircraft: -\$82.1**

Decrease represents a net decrease from below threshold reprogrammings for the C-130 (\$7.0) and from C-17 (-\$1.4) and omnibus reprogramming requirements from C-17 (-\$69.3) and the C-130 (-\$18.4).

**3. Trainer Aircraft: \$0**

No change in budget activity funding.

**4. Other Aircraft: -\$1.8**

Decrease represents a net decrease from the E-8 (-\$4.8) for omnibus reprogramming offset by an increase into Aircraft Procurement for Drug Interdiction Aircraft (+\$3.0).

**5. Modification of In-Service Aircraft: -\$9.2**

Decrease is the net result of omnibus reprogramming of (-\$14.9) and various below threshold reprogrammings (\$5.7).

**6. Aircraft Spares and Repair Parts: -\$10.0**

Decrease due to omnibus reprogramming (-\$5.7) and below threshold reprogramming (-\$4.3).

**7. Aircraft Support Equipment and Facilities: -\$29.4**

Decrease due to omnibus reprogrammings to Common Support Equipment, Other Production Charges, and Common ECM Equipment (-\$26.2), below threshold reprogrammings to Other Production Charges and Common ECM (-\$6.1) and canceled account adjustments (\$3.1).

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**COMPARISON OF FY 1994 FINANCING AS REFLECTED  
IN FY 1995 PB WITH FY 1994 FINANCING  
AS SHOWN IN FY 1996 BUDGET**

	Financing per FY 1995 PB	Financing per FY 1996 Budget	Increase Decrease ( )
<b>Program Requirements</b>			
Reimbursable	(99,900)	(42,968)	(56,932)
Service Account	(6,605,034)	(6,447,701)	(157,333)
Subtotal Program Requirements	6,704,934	6,490,669	(214,265)
<b>Less:</b>			
Anticipated Reimbursements	99,900	42,968	(56,932)
Reprogramming from/to prior year budget plans	0	269,519	269,519
Unobligated ST. Newplan	0	12,800	12,800
Subtotal	99,900	325,287	225,387
<b>Add:</b>			
Unobligated balance expiring	0	269,519	269,519
Reduction Pursuant to P.L. 103-139	4,200	4,200	0
Rescissions	0	12,800	12,800
Transfers to other accounts	53,700	214,033	160,333
Transfers from other accounts	0	(3000)	(3000)
Subtotal	57,900	497,552	439,652
Appropriation	6,662,934	6,662,934	0

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COMPARISON OF FY 1995 PROGRAM REQUIREMENTS AS REFLECTED  
IN FY 1995 PB WITH 1995 PROGRAM REQUIREMENTS  
AS SHOWN IN FY1996 PB

SUMMARY OF REQUIREMENTS (In Thousands)

	FY 95 Col Total Program Requirements per FY 95 PB	FY 95 Col Total Program Requirements per FY 96 PB	Increase or Decrease ( )
Combat Aircraft	659,581	570,581	(89,000)
Airlift Aircraft	2,816,496	2,373,292	(443,204)
Trainer Aircraft	278,428	246,728	(31,700)
Other Aircraft	565,683	656,183	90,500
Modification of In-Service Aircraft	1,135,929	1,107,829	(28,100)
Aircraft Spares and Repair Parts	488,894	485,494	(3,400)
ACFT Support Equipment and Facilities	802,588	867,158	64,570
Reimbursable Program	108,000	108,000	0
Total Fiscal Year Program	6,855,599	6,415,265	(440,334)

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EXPLANATION OF CHANGES WITHIN BUDGET ACTIVITY  
(\$ in Millions)

**1. Combat Aircraft: -\$89.0**

Decrease reflects the final FY95 appropriation for the B-1 (-\$15.0), B-2 (-\$45.0) and F-16 (-\$25.0) and distribution of a general reduction for procurement reform (-\$4.0).

**2. Airlift Aircraft: -\$443.2**

Decrease reflects the final FY95 appropriation for C-17 (-\$304.3), C-130H (-\$18.4) and NDAA (-\$103.7) and distribution of a general reduction for procurement reform (-\$16.7).

**3. Trainer Aircraft: -\$31.7**

Decrease reflects the final FY95 appropriation for JPATS (-\$30.0) and distribution of a general reduction for procurement reform (-\$1.7).

**4. Other Aircraft: \$90.5**

Increase reflects the final FY95 appropriation for JSTARS (\$95.1) and distribution of a general reduction for procurement reform (-\$4.6).

**5. Modification of In-Service Aircraft: -\$28.1**

Decrease reflects the final FY95 appropriation for B-1 (-\$5.0), F-15 (-\$15.0), F-16 (-\$46.5), C-135 (-\$25.8), B-52 (\$7.0) and DARP (\$65.0) and distribution of a general reduction for procurement reform (-\$7.8).

**6. Aircraft Spares and Repair Parts: -\$3.4**

Decrease reflects the distribution of general reduction for procurement reform (-\$3.4).

**7. Aircraft Support Equipment and Facilities: \$64.6**

Decrease reflects the final FY95 appropriation for War Consumables (-\$8.0), Other Production Charges (-\$20.0), and Bomber Industrial Base Support (\$125.0), distribution of a general reduction for procurement reform (-\$4.5), transfers to other appropriations (-\$9.5), and classified adjustments (-\$15.4).

## UNCLASSIFIED

COMPARISON OF FY 1995 FINANCING AS REFLECTED  
IN FY 1995 PB WITH FY 1995 FINANCING  
AS SHOWN IN FY 1996 PB

	Financing per FY 1995 PB	Financing per FY 1996 Budget	Increase Decrease ( )
<b>Program Requirements</b>			
Reimbursable Service Account	(108,000) (6,747,599)	(108,000) (6,307,265)	0 (440,334)
Subtotal Program Requirements	(6,855,599)	(6,415,265)	(440,334)
<b>Less:</b>			
Anticipated Reimbursements	108,000	108,000	0
Reprogramming from/to prior year budget plans	0	0	0
Subtotal	108,000	108,000	0
<b>Add:</b>			
Unobligated balance expiring	0	0	0
Reduction Pursuant to P.L. 103-335	0	44,797	44,797
Rescissions	0	0	0
Transfers to other accounts	0	27,900	27,900
Subtotal	0	72,697	72,697
Appropriation	6,747,599	6,379,962	(367,637)

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COMPARISON OF FY 1994 PROGRAM REQUIREMENTS AS REFLECTED  
IN FY 1996 PB WITH 1995 PROGRAM REQUIREMENTS  
AS SHOWN IN FY1996 PB

SUMMARY OF REQUIREMENTS (In Thousands)

	FY 94 Program Total Program per FY 96 PB	FY 95 Program Total Program per FY 96 PB	Increase or Decrease ( )
Combat Aircraft	1,208,422	570,581	(637,841)
Airlift Aircraft	2,226,461	2,373,292	146,831
Trainer Aircraft	150,699	246,728	96,029
Other Aircraft	580,604	656,183	75,579
Modification of In-Service Aircraft	996,139	1,107,829	111,690
Aircraft Spares and Repair Parts	415,691	485,494	69,803
ACFT Support Equipment and Facilities	869,686	867,158	(2,528)
Reimbursable Program	42,968	108,000	65,032
Total Fiscal Year Program	6,490,670	6,415,265	(75,405)

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## EXPLANATION OF CHANGES WITHIN BUDGET ACTIVITY

(\$ in Millions)

**1. Combat Aircraft: -\$637.8**

- B-1: Decrease due to completion of deferred logistics support requirements (-\$27.5)  
 B-2: Decrease in training equipment and non-recurring requirements (-\$227.7)  
 F-15: Airframe peculiar support equipment procurement completed (-\$8.3)  
 F-16: FY94 was final production buy (-\$374.3)

**2. Airlift Aircraft: \$146.8**

- C-17: Increase for HAZMAT, contract settlement, cost reduction and support costs (\$288.0)  
 Advance procurement reduced (-\$32.3)  
 NDAA: Not funded in FY95 (-\$98.0)  
 C-130H: Support costs reduced (-\$10.9)

**3. Trainer Aircraft: \$96.0**

- T-1A (TTTS): FY95 is last year of procurement (\$13.3)  
 T-3A (EFS): FY94 is the last year of procurement (-\$9.9)  
 JPATS: FY95 is the first year of procurement (\$92.7)

**4. Other Aircraft: \$75.6**

- Civil Air Patrol: Decreased (-\$2.2)  
 Drug Interdiction: Last buy completed in FY94 (-\$3.0)  
 JSTARS: Increase in advance procurement to support buyout of 12 airframes for later incorporation into the production line (\$99.5)  
 SOF A/C CSE: Procurement completed in FY94 (-\$18.7)

**5. Modification of In-Service Aircraft: \$111.7****WEAPON SYSTEM**

B-2	FY 1994	FY 1995	FY 1996
B-1	21.9	64.0	17.3
B-52	29.0	40.3	75.4
F-117	37.4	33.3	4.9
A-10	11.8	11.1	47.7
F-15	29.6	46.8	79.4
	264.9	184.8	79.5



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C-141	29.2	14.4	95.2
KC-10	36.7	17.9	20.7
C-130	118.8	76.5	84.4
C-135	61.1	77.3	142.8
E-3	4.6	136.6	230.4
E-4	10.4	35.0	1.0
H-60	26.1	.3	0
Other A/C	72.0	40.5	29.4
DARP	0	68.2	0

B-2: FY95: Increase primarily due to the new start mods 2SR-63-Band4 and the CONTRAIL management mods (\$42.1)  
FY96: Decrease due to reduced requirements for the 2SR-63-Band4 and MILSTAR UHF mods (-\$46.7)

B-1 FY95: Increase due to new mod start for Conventional Bomb Module, 1122 Improvement, and Lancer 101C Engine  
FY96: Increase due to new start mods for NAVSTAR GPS, JDAM 1760 conventional enhancement and increases in the conventional bomb module and 1122 Improvement mod buys (\$35.1)

B-52: FY95: Reduced requirements for Integrated Conventional Stores Management System and NAVSTAR GPS mod (-\$4.1)  
FY96: All major B-52 mods winding down. GPS is only major mod funded in FY95 at a reduced rate. (-\$28.4)

F-117: Realignment of resources from other budget programs to the modification account

A-10 FY95: Kit buys for both the GPS and improved data modem (IDM) increased from 11 in FY94 to 94 in FY95. These are interrelated/codependent mods.

F-15: FY96: A one year mod to regenerate A-10s to relieve inventory shortfalls (\$22.5)  
FY95 MSIP, ALR-56, and ALQ-135 P3I mod funding reduced or near completion  
FY96 ALQ-135 P3I mod near completion

C-141: FY95: Completed Auto Comm Processor and Weep Hole Modifications  
FY96: Start GPS and SATCOM, continue autopilot modification

KC-10: FY95: Decrease due to reduced buy rates for NAVSTAR GPS and refueling Pod mods (-\$18.8)  
FY96: Small increase primarily due to new start SATCOM mod (\$2.8)

C-130: FY95: Reduced kit buys for autopilot and ADS  
FY96: Increased kit buys for autopilot

C-135: FY95: A number of new start mods (GPS, Compass replacement, etc) coupled with C-135 reengine and Rivet Joint mod completions in FY94 net out to a small increase (\$16.2)  
FY96: Large increase due to rivet joint restart and increases in mod buys for radar replacement and display and compass replacement. Also due to new start Multipoint Refueling mod (\$67.3)

E-3: FY95 Mod requirements restart. FY94 was a skip year for interconnectivity modifications (ESM, DAPG, GPS, and JTIDS TADIL J) since sufficient kits on hand to maintain schedule.  
FY96 begins Radar System Improvement and Extend Sundry

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E-4: FY95 and FY96: One year kit buys of MILSTAR and communications in FY95  
H-60: FY95 and FY96: HH-60 retrofit completed  
Other: FY95: Reflects quantity reduction from FY94 (901) to FY95 (90) for A/B SINGARS AJ COMM (-\$16.8). FY94 was last buy year for AN/ALR-69 system improvement mod (-\$10.1) and AERP (-\$3.4)  
FY96: Reflects quantity reduction from FY95 (982) to FY96 (400) for ALE-40 deficiencies (-\$5.1) and FY95 completes procurement of Tactical Secure Voice mod (-\$7.6)  
DARP: FY95 and FY96: Reflects the FY95 appropriation for reactivation of 3 SR-71 aircraft

**6. Aircraft Spares and Repair Parts: \$69.8**

Ramp for payment of DBOF initial spares deliveries which started in FY94 and increases through FY99

**7. Aircraft Support Equipment and Facilities: -\$2.5**

Decrease due to reduced requirements for other production charges (-\$374.9) and Common ECM (-\$9.1) and increases in Common AGE (\$35.1) and industrial facilities (\$151.0), and funds transfer from other production charges to a separate DARP line (\$195.4).

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COMPARISON OF FY 1995 PROGRAM REQUIREMENTS AS REFLECTED  
IN FY 1996 PB WITH 1996 PROGRAM REQUIREMENTS  
AS SHOWN IN FY1996 PB

SUMMARY OF REQUIREMENTS (In Thousands)

	FY 95 Program Total Program per FY 96 PB	FY 96 Program Total Program per FY 96 PB	Increase or Decrease ( )
Combat Aircraft	570,581	336,257	(234,324)
Airlift Aircraft	2,373,292	2,674,856	301,564
Trainer Aircraft	246,728	59,342	(187,386)
Other Aircraft	656,183	494,371	(161,812)
Modification of In-Service Aircraft	1,107,829	1,149,672	41,843
Aircraft Spares and Repair Parts	485,494	603,619	118,125
ACFT Support Equipment and Facilities	867,158	865,769	(1,389)
Reimbursable Program	108,000	108,000	0
Total Fiscal Year Program	6,415,265	6,291,886	(123,379)

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EXPLANATION OF CHANGES WITHIN BUDGET ACTIVITY

(\$ in Millions)

1. Combat Aircraft: -\$234.3

- B-1: Projected requirements for ICS decreasing as the B-1B becomes more and more organically capable (-\$82.0)
- B-2: Decrease due primarily to reduced requirements for software investment and tech data (-\$57.0)
- F-15: ICS funding moved to BP13 starting in FY96 (-\$20.3)
- F-16: Post production support moved to BP13 in FY96 (-\$75.0)

2. Airlift Aircraft: \$301.6

- C-17: Increase to support 2 additional aircraft offset by prior year advance procurement credit (\$60.5)
- C-130J: Increase for initial procurement of 2 aircraft (\$88.6)
- C-130H: FY95 completes C-130H procurement (-\$31.3)
- Strategic Airlift: Supports Milestone III Defense Acquisition Board review to procure C-17s or NDAA type aircraft (\$183.8)

3. Trainer Aircraft: -\$187.4

- T-1A (TTTS): FY95 is last year of procurement (-\$149.7)
- JPATS: Reduced buy from 6 to 3 in FY96 (-\$37.7)

4. Other Aircraft: -\$161.8

- JSTARS: Reduction in advance procurement (-\$121.7) and reduction to flyaway costs (-\$40.1)

5. Modification of In-Service Aircraft: \$41.8

See FY94 - FY95 Comparison explanation

6. Aircraft Spares and Repair Parts: \$118.1

Continuation of ramp for payment of DBOF initial spares deliveries which started in FY94 and increases through FY99

7. Aircraft Support Equipment and Facilities: -\$1.4

Decrease is due to decreased funding required for other production charges (-\$67.2), Common ECM (-\$11.9), Common AGE (-\$9.6) industrial preparedness (-\$2.4), DARP (-\$1.0), and Bomber Industrial Base Support (-\$125.0) offset by the transfer of BP 1000 funds to BP 1300 for post production support (\$208.7) and an increase in funding for war consumables (\$7.1)

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GLOSSARY  
OF ACRONYMS

AGM - Air-to-Ground Missile  
AIM - Air Intercept Missile  
AIS - Avionics Intermediate Shop  
ACMI - Aircraft Combat Maneuvering Instrumentation  
AMRAAM - Advanced Medium-Range Air-to-Air Missile  
AUTODIN - Automated Digital Network  
AWACS - Airborne Warning and Control System  
BLSS - Base Level Self-Sufficiency Spares  
BY - Budget Year  
C3 - Command, Control, and Communication System  
CFE - Contractor Furnished Equipment  
CONUS - Continental United States  
CPMS - Comprehensive Power Management System  
CPT - Cockpit Procedures Trainer  
CRA - Continuing Resolution Authority  
CTS - Countermeasures Test Set  
CY - Current Year  
DDTE - Design, Development, Test and Evaluation  
ECCM - Electronic Counter Counter Measures  
ECM - Electronic Counter Measures  
ECO - Engineering Change Orders  
EOQ - Economic Order Quantity  
ECP - Engineering Change Proposal  
EPA - Economic Price Adjustment  
EW - Electronic Warfare  
EWAISP - Electronic Warfare Avionics Integration Support Facility  
FLIR - Forward Looking Infra Red  
FOT&E - Follow-on Test and Evaluation  
FOC - Fully Operational Capability  
FLTS - Flight Line Test Set

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FPIF - Fixed Price Incentive Firm  
FPIS - Fixed Price Incentive Fee, Successive Targets  
GFE - Government Furnished Equipment  
GPS - Global Positioning System  
GSE - Ground Support Equipment  
IOC - Initial Operating Capability  
IPE - Increased Performance Engine  
LANTIRN - Low Altitude Navigation and Targeting Infra Red System for Night  
METS - Mobile Electronic Test Stations  
MYP - Multiyear Procurement  
MSIP - Multi-Stage Improvement Program  
NMC Rate - Not Mission Capable Rate  
OFP - Operational Flight Program  
OT&E - Operational Test and Evaluation  
OWRM - Other War Reserve Material  
PAGEL - Priced Aerospace Ground Equipment List  
PB - President's Budget  
PGSE - Peculiar Ground Support Equipment  
PMC - Procurement Method Code  
PR - Purchase Request  
PTT - Part Task Trainer  
PY - Prior Year  
R&M - Reliability and Maintainability  
RAA - Required Asset Availability  
RDT&E - Research, Development, Test and Evaluation  
RWR - Radar Warning Receiver  
ROM - Rough Order of Magnitude  
SAM - Surface-to-Air Missile  
SS - Sole Source  
SOF - Special Operation Force  
TAF - Tactical Air Force  
TEWS - Tactical Electronic Warfare System  
TISS - TEWS Intermediate Support System

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TOA - Total Obligation Authority  
WMP - War Mobilization Plan  
WRM - War Reserve Material  
WST - Weapon System Trainer  
UHF - Ultra High Frequency  
VHSIC - Very High Speed Integrated Circuit

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**ORGANIZATIONS**

ACC - Air Combat Command  
AFMC - Air Force Material Command  
ALC - Air Logistics Center  
ASC - Aeronautical Systems Center  
ATC - Air Training Command  
FAA - Federal Aviation Administration  
NATO - North Atlantic Treaty Organization  
OSD - Office of the Secretary of Defense  
PACAF - Pacific Air Forces  
USAFE - United States Air Forces Europe



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### TERMS

Advanced Buy - Obliging fund for longlead material/component is advance of the fiscal year the end item is authorized and procurement starts

Avionics - Electronic equipment on-board aircraft

Boresight - An optical reference line used in harmonizing guns, rockets on other weapon launchers

Chaff Flare - Radar and infrared countermeasures

Depot - Wholesale level repair and supply point

Drone - An object used for target practice

Fly by wire - Full authority electronic flight control system

Ground Clutter - Objects on the ground which cause distorted or misleading radar readings

Interdiction - Operational term for behind the front line bombing

Inter theater - Global

Intratheater - Within given area

Mobilization - The ability to move war fighting equipment from one place to another

Multi Stage Improvement Program - A phased program for upgrading the F-15 and F-16

Off the Shelf - Commercially available equipment

Pipeline Standards - The expected average time it takes for a component to be removed from the aircraft, repaired and returned for use in serviceable condition

Prototype - A working model transforming a developmental idea into reality

Provisioning - The process of determining and contracting for spare parts required to support new production systems for the initial support period

Pylon - Munitions adapter

Readiness - Ability to go to war and support initial deployment

Robotics - Automated manufacturing technique

S-Band - Radio frequency spectrums from 1550 to 3900 MHZ

Solicitation - The process of requesting proposals from private industry for goods and services required by the government

Surge - The period of time between normal operations and increased operations

Sustainability - Ability to sustain wartime combat rates after initial surge

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## BUDGET ITEM JUSTIFICATION SHEET

DATE

Feb-95

## APPROPRIATION/BUDGET ACTIVITY

## P-1 ITEM NOMENCLATURE

## AIRCRAFT PROCUREMENT - B-1B WEAPON SYSTEM

## B-1B Deferred Logistics/Interim Contractor Support

	Prior	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	To Complete	Total Program
QUANTITY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COST (IN MILLIONS)	160.5	165.8	138.3	56.3	77.4	46.6	20.2	23.2	32.8	0.0	721.1

MISSION AND DESCRIPTION:

The B-1B has been designated as the "backbone" of the conventional bomber force. This line provides Interim Contractor Support for the B-1B until needed support equipment is delivered and support is fully organic.

FY96/97 PROGRAM JUSTIFICATION:

All funds will be utilized for Interim Contractor Support (ICS) for both Intermediate and Depot Level repair services for the B-1B weapon system. Interim Contractor Support services, material support, data management, contractor operated storage sites, packaging, handling, transportation and material control systems for items both intermediate and depot level ICS repairs. There are approximately 90 subvendors for D-level repairs for the Rockwell ICS contract alone. Types of items that are repaired on ICS include: gearbox assemblies, manifold assemblies, vertical indicators, auxiliary power units, and power drive units. FYDP also includes funding for Program Management Administration (PMA) for technical, engineering, and acquisition support.

AIRCRAFT COST ANALYSIS (Dollars in Millions)	A. Aircraft Model		B. Popular Name		C. Manufacturer		D. Date	
	FY94	QTY 0	FY95	QTY 0	FY96	QTY 0	FY97	QTY 0
	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1 AIRFRAME/CFE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 ENGINE	0.0		0.0		0.0		0.0	
3 AVIONICS	0.0		0.0		0.0		0.0	
4 ARMAMENT	0.0		0.0		0.0		0.0	
5 OTHER GFE	0.0		0.0		0.0		0.0	
6 ECO (All Flyaway Components)	0.0		0.0		0.0		0.0	
7 NON-RECURRING COSTS	0.0		0.0		0.0		0.0	
8 OTHER COSTS	0.0		0.0		0.0		0.0	
9 FLYAWAY COSTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 AIRFRAME PGSE (Deferred Logistics)		72.0						
11 ENGINE PGSE								
12 AVIONICS PGSE								
13 PECULIAR TRAINING EQUIPMENT								
14 PUBLICATIONS/TECH. DATA								
15 ECO (ALL SUPPORT ITEMS)		93.8		138.3		56.2		77.3
16 OTHER (ICS)						0.1		0.1
17 Program Management Administration (PMA)								
18 SUPPORT COST		165.8		138.3		56.3		77.4
19 GROSS P-1 COST		165.8		138.3		56.3		77.4
20 LESS: Prior Yr Adv. Proc		0.0		0.0		0.0		0.0
21 NET P-1 COST		165.8		138.3		56.3		77.4

# WEAPON SYSTEM COST DATA SHEET

(TOA, Dollars in Millions)

DATE: Feb-95

## Weapon System: B-1B

## I. Procurement Program:

	Service	Other Service	FMS/Other
--	---------	---------------	-----------

FY 95  
FY 94  
FY 93  
FY 92

## II. Hardware (Unit Costs) (Provided for each P-5 stub entry)

	FY95	DIFF	FY96	DIFF	FY97	DIFF	FY98
Airframe	0.0	0.0	0.0	0.0	0.0	0.0	0.0

## Reason for Change:

FY93 - FY94  
FY94 - FY95  
FY95 - FY96

## III. Procurement Support (Total Cost) (Explain difference for each support stub entry)

	FY 94	DIFF	FY 95	DIFF	FY 96	DIFF	FY 97
PGSE	165.8	-27.5	138.3	-82.0	56.3	21.1	77.4

## Reason for Change:

FY94-95 -27.5 decrease due to increase in organic capability.  
FY95-96 -82.0 decrease due to forecasted increase in organic capability  
FY96-97 +21.1 increase is an anomaly due to FY 96 reduction for transition from ICS to RSD contracts.

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EXHIBIT P-44

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BUDGET ITEM JUSTIFICATION SHEET		Date: FEB 1995
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE
AIRCRAFT PROCUREMENT/BA01, COMBAT AIRCRAFT		B-2A

	FY94/PRIOR	FY1995	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001	TC	TOTAL
QUANTITY	15	0	0	0	0	0	0	0	0	15
COST (TY\$ IN Million)	16280.8	337.0	279.9	216.9	223.5	180.6	240.3	36.2	271.2	18066.4

**Mission and Description:** The B-2 is an all-wing, two-crew aircraft with provisions for a third crew member and has twin weapons bays of over 20,000 pounds capacity each. It is powered by four F118-GE-100 turbofan engines. The low wing loading provides efficient cruise and good airfield performance. The B-2 bomber exploits breakthroughs in low observables technology (radar, infrared, visual, electromagnetic, and acoustic) to achieve vehicle signatures that will allow penetration of current and postulated enemy air defenses. The B-2 will have the capability to perform worldwide conventional and nuclear delivery missions consistent with Air Combat Command requirements. Survivability will be enhanced by reduction of observable signatures and a complementary defensive management system. The B-2 will also have a low altitude terrain following capability and a penetration speed commensurate with high probability of survival without unduly penalizing mission range. The management and acquisition strategy provides the user a capability for the lowest possible cost.

**FY 1996 Program Justification:** The FY 1996 program contains costs associated with software investment, technical orders, interim contractor support, aircrew training device, maintenance training device, peculiar support equipment, Program Management Administrative Requirements (PMAR), and non-recurring (including curtailment).

**FY 1997 Program Justification:** The FY 1997 program contains costs associated with software investment, technical orders, interim contractor support, aircrew training device, maintenance training device, peculiar support equipment, PMAR, and non recurring (including curtailment).

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)  FY96 PB		A. Appropriation/Budget Activity Title/No. Appn 10, BA01 Aircraft Procurement		B. Weapon Model/Series/ Popular Name B-2 Advanced Technology Bomber		C. Manufacturer Name Plant City/State location Northrop Grumman B-2 Division Pico Rivera, CA		D. Date Month/Year 6-Feb-95		
		Ident. Code	FY94 Unit Cost	QTY 0 Tot. Cost	FY95 Unit Cost	Qty 0 Tot. Cost	FY96 Unit Cost	Qty 0 Tot. Cost	FY97 Unit Cost	Qty 0 Tot. Cost
Weapon System Cost Elements										
Airframes/CFE		A	NA	0	NA	0	NA	0	NA	0
ENGINE/ACCESSORIES		A	NA	0	NA	0	NA	0	NA	0
(eg Model) F118-GE-100										
AVIONICS		A	NA	0	NA	0	NA	0	NA	0
A. CFE		A	NA	0	NA	0	NA	0	NA	0
B. GFE		A	NA	0	NA	0	NA	8.7	NA	8.8
WEAPON DELIVERY SYSTEM		A	NA	0	NA	0	NA	0	NA	0
OTHER GFE		A	NA	0	NA	0	NA	0	NA	0
ECO (All Flyaway Components)			NA	15.7	NA	5.1	NA	0.0	NA	0.0
NON-RECURRING COSTS										
(Other)			NA	81.5	NA	31.8	NA	47.8	NA	23.4
Subtotal FLYAWAY COST				97.2	NA	36.9	NA	56.5	NA	32.2
AIRFRAME PGSE			NA	42.6	NA	85.4	NA	65.4	NA	23.5
ENGINE PGSE		A	NA	262.7	NA	15.0	NA	37.7	NA	18.6
PECULIAR TRAINING EQUIPMENT		A	NA	64.6	NA	61.1	NA	7.1	NA	4.8
PUBLICATIONS/TECH. DATA		A	NA	40.8	NA	44.0	NA	35.6	NA	93.1
ICS		A	NA	5.6	NA	87.0	NA	45.0	NA	36.7
SW INVESTMENT		A	NA	51.2	NA	7.5	NA	0.3	NA	0.3
PROG. MGMT. ADM. RQMTS (PMAR)		A	NA	467.5	NA	300.0	NA	223.4	NA	184.8
OTHER			NA	564.7	NA	336.9	NA	279.9	NA	217.0
Subtotal SUPPORT COST				0.0	0.0	0.0	0.0	0.0	0.0	0.0
GROSS P-1 END COST				564.7	NA	336.9	NA	279.9	NA	217.0
LESS: PRIOR YR ADV. PROC				0.0	0.0	0.0	0.0	0.0	0.0	0.0
NET P-1 FULL FUNDING COST			NA	564.7	NA	336.9	NA	279.9	NA	217.0
(Must equal FY amount displayed on the P-40 exhibit)										
Current Year ADV. PROC.				0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Non P-1 Weapon System Costs		A	NA	177.6	NA	2.2	NA	59.1	NA	122.2
Spares (Initial & WRSK)		A	NA	21.9	NA	64.0	NA	17.3	NA	5.6
Mods				0.0	0.0	8.5	NA	15.7	NA	5.4
Facilities										
TOTAL			NA	764.2	NA	411.6	NA	372.0	NA	350.2

## EXHIBIT P-6

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FY96 PB Acquisition Logistics and Operations & Support Funding for Selected Weapon Systems											
Weapon System: B-2		Date: FEB 1995			PE 11127F 64240F						
		FY94/PRIOR	FY95	FY96	FY97	FY98	FY99	FY00	FY01	TC	TOTAL
A. General Program Data											
Procurement Qty		4	7	12	13	16	17	20	20	0	20
Cum Operating Inventory											
No. of Operating Units											
OPTEMPO		330.4	1706.0	2260.0	3289.0	3872.0	5442.0	6208	6889	165591.0	195587.4
(Flying Hrs or Miles per month)											
Readiness Objective											
Intermediate Level											
Stand-Up date											
Depot Level Stand-Up Date											
B. Acquisition Logistics Resources											
Initial Spares		836.5	2.2	9.5	18.9	39.4	30.0	7.1	3.2	8.0	954.8
War Reserve Spares		33.5	0.0	49.6	103.5	144.3	53.0	0.0	0.0	0.0	383.9
Field Level Common Spt Equip											
Proc		9.6	4.0	0.5	0.5	0.5	0.5	0.5	0.5	0.0	16.6
Field Level Peculiar Spt Equip											
RD&E		509.4	17.7	14.6	9.9	5.9	3.7	0.8	0.0	0.0	562.0
Proc		289.9	78.1	68.4	23.8	38.0	19.4	0.7	0.2	0.2	518.7
Depot Level Support Equip/Software											
RD&E		214.4	6.2	16.7	0.0	0.0	0.0	54.2	0.0	0.0	291.5
Proc - Equip		40.1	87.0	45.0	36.7	18.7	16.3	0.0	0.0	0.0	243.8
Proc - Software Investment		1.0	1.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	7.8
PDM Plan											
Technical Data/Manuals											
RD&E		272.7	9.5	7.8	5.3	3.2	2.0	0.4	0.0	0.0	300.9
Proc		224.4	61.1	7.1	4.8	1.1	0.5	14.2	0.0	0.0	313.2
Training Services and Training Equip											
RD&E		68.4	55.9	41.5	47.1	0.0	0.0	0.0	0.0	0.0	212.9
Proc		470.3	15.0	37.7	18.6	13.5	2.7	0.0	0.0	0.0	557.8

EXHIBIT P-6 Pg 1 of 2 33

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Acquisition Logistics and Operations & Support Funding for Selected Weapon Systems											
FY96 PB		Date: FEB 1995		PE 11127F 64240F							
Weapon System: B-2											
		FY94/PRIOR	FY95	FY96	FY97	FY98	FY99	FY00	FY01	TC	TOTAL
C. Operations and Support Manpower (Nos.)	Military	323	312	318	328	284	260	246	246	246	
	Officer	1553	1730	1818	1935	1763	1677	1610	1610	1610	
	Enlisted	1046	1108	1142	1120	1073	1017	1308	1308	1308	
	Civilian										
	Cost (\$)	0	0.2	0.2	0.2	0.3	0.3	0.3	0.3	10.5	12.3
	Fuel	14.6	29.0	18.8	28.0	34.0	49.4	61.6	36.2	2488.2	2759.8
	Consumables (3400)	3.1	8.3	11.8	17.8	25.7	36.7	38.3	42.1	1449.8	1633.6
	Reparables (3400)	1.1	10.7	85.9	136.6	184.6	199.9	210.4	203.4	7210.8	8243.4
	Sustaining Eng Spt (3400)	95.8	44.0	35.6	93.1	110.4	88.4	26.5	17.0	54.2	565.0
	Interim Contractor Spt (3010)										

EXHIBIT P-6 Pg 2 of 2 34

UNCLASSIFIED









## SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$ M)

FY96 PB

WEAPON SYSTEM: B-2

AIRCRAFT IOC DATE: 2Q/FY97

Date: 6-Feb-95

TRAINING DEVICE BY TYPE	SITE	DELIVERY DATE	READY TRAINING DATE	AVG STUDENT THROUGHPUT	PRIOR YEARS		FY96		FY97		FY98	
					QTY	COST	QTY	COST	QTY	COST	QTY	COST
MAINTENANCE	WAFB, MO	APR 93	MAY 93	575	54	139.9	3.8	25.0	3.6			
AIRCREW	WAFB, MO	SEP 93 FEB 96 MAY 97	JAN 94 JUL 96 OCT 97		5	95.5	0.0					
						156.2	7.2					
						78.7	4.0					
						330.4	11.2					
SUBTOTAL												
TOTAL						470.3	15.0	37.7	18.6			

UNCLASSIFIED

# **FY96 PB** **SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$ M)**

Weapon System: B-2

AIRCREW TRAINERS

Date:

6-Feb-95

Training Device by Type:

Description/Justification: Contains 3 Weapon System Trainers (WST) and 2 Mission Trainers (MT) needed to conduct aircrew training of the B-2.

Also contains funding for block updates to maintain concurrency with the air vehicle.

FINANCIAL PLAN	Prior Years		FY96		FY97		FY98		To Complete		Total Costs	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
<b>HARDWARE COSTS</b>												
Device	5	271.6									5	271.6
ECO		6.0										17.2
Nonrecurring		17.3			11.2	12.7		15.0		16.2		72.4
GFE		28.5										28.5
Other (Fee)												
Total Hardware Costs		323.4		11.2		12.7		15.0		16.2		378.5
<b>SUPPORT COSTS</b>												
Special SE												
LS		7.0										7.0
Other												
Total Support Costs		7.0										7.0
Software/Courseware												
<b>TOTAL COSTS</b>		330.4		11.2		12.7		15.0		16.2		385.5

# FY96 PB SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$ M)

 Training Device by Type: **MAINTENANCE TRAINERS**

Date: 6-Feb-95

Weapon System: B-2

 Description/Justification:  
 Contains all necessary equipment for maintenance training equipment as well as future block updates to maintain concurrency with the air vehicle.

FINANCIAL PLAN	Prior Years		FY96		FY97		FY98		Cost to Complete		Total Costs	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
<b>HARDWARE COSTS</b>												
Device	54	94.6		3.8		25.1*						123.5
ECO												
Nonrecurring												
GFE												
Other (Fee)												
Total Hardware Costs		94.6		3.8		25.1						123.5
<b>SUPPORT COSTS</b>												
Special SE		35.3										35.3
ILS												
Other												
Total Support Costs		35.3										35.3
Software/Courseware		10.0						3.6				13.6
<b>TOTAL COSTS</b>		139.9		3.8		25.1		3.6				172.4
*FUNDS REQUIRED FOR UPGRADE OF TRAINERS TO BLOCK CONFIGURATION.												

P-40 FOR NET P-1 COST

BUDGET ITEM JUSTIFICATION SHEET											DATE
(TY\$ in Millions)											
P-1 ITEM NOMENCLATURE											
F-22 Advanced Tactical Fighter											
	PRIOR YEARS	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	TO COMPLETE	TOTAL PROGRAM
QUANTITY	0	0	0	0	0	4	4	12	24	398	442
COST (MILLIONS)	0.0	0.0	0.0	0.0	0.0	899.6	985.6	1,835.4	2,980.9	38,755.2	45,456.7
INITIAL SPARES	0.0	0.0	0.0	0.0	38.5	42.9	94.7	152.8	193.7	3,910.6	4,433.2
TOTAL (MILLIONS)	0.0	0.0	0.0	0.0	38.5	942.5	1,080.3	1,988.2	3,174.6	42,685.8	49,889.9
**UNIT COST (MILLIONS)	0.0	0.0	0.0	0.0	0.0	224.9	248.4	152.9	124.2	97.4	102.8
MISSION AND DESCRIPTION: The F-22 program is developing the next-generation air superiority fighter for introduction in the early 2000's to counter emerging proliferating worldwide threats. The F-22 is designed to penetrate enemy airspace and achieve a first look, first-kill capability against multiple targets. The F-22 is characterized by a low-observable highly maneuverable airframe, advanced integrated avionics, and a new engine capable of supersonic cruise without the use of afterburner. A total of 442 F-22 aircraft will be produced.											
FY95 PROGRAM JUSTIFICATION:											N/A
FY96 PROGRAM JUSTIFICATION:											N/A
*Funding in FY97 will be used to fully fund 4 spare engines.											
**Unit Cost exclude initial spares.											



P-40 FOR ADVANCE PROCUREMENT

BUDGET ITEM JUSTIFICATION SHEET											
(TY\$ in Millions)										DATE	
APPROPRIATION/BUDGET ACTIVITY (TY\$ in Millions)										8-Feb-95	
AIRCRAFT PROCUREMENT (ADVANCE BUY)BA01, COMBAT AIRCRAFT										P-1 ITEM NOMENCLATURE	
3010/654069/Aircraft Procurement, F-22 Advanced Tactical Fighter										F-22 Advanced Tactical Fighter	
	PRIOR YEARS	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	TO COMPLETE	TOTAL PROGRAM
QUANTITY	0	0	0	0	4	0	12	24	36	362	442
COST (MILLIONS)	0.0	0.0	0.0	0.0	52.9	0.0	137.2	244.8	354.6	3,078.7	3,916.9
INITIAL SPARES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (MILLIONS)	0.0	0.0	0.0	0.0	52.9	0.0	137.2	244.8	354.6	3,078.7	3,916.9
UNIT COST (MILLIONS)	0.0	0.0	0.0	0.0	13.2	0.0	11.4	10.2	9.8	8.5	8.9

MISSION AND DESCRIPTION:

The F-22 program is developing the next-generation air superiority fighter for introduction in the early 2000's to counter emerging proliferating worldwide threats. The F-22 is designed to penetrate enemy airspace and achieve a first look, first-kill capability against multiple targets. The F-22 is characterized by a low-observable highly maneuverable airframe, advanced integrated avionics, and a new engine capable of supersonic cruise without the use of afterburner. A total of 442 F-22 aircraft will be produced.

FY95 PROGRAM JUSTIFICATION: N/A

FY96 PROGRAM JUSTIFICATION: N/A

EXHIBIT P-40 Budget Item Justification Sheet



Weapon System Advance Procurement EXHIBIT P-10 (Procurement of Advance Design and Material)					Budget Year FY97 for Fiscal Year Program 1998		
(TY\$ in Millions)					DATE		
Weapon System Type (Model/Series No.)	First System Award Date	First System Completion Date	Interval Between System Completions (Months)		6-Feb-95		
F-22 Advanced Tactical Fighter	Jan-98	Apr-00	1-2 months				
Advance Procurement/Advance Funding Items	Quantity	Date Contract Award Planned/Required	Delivery Date of First Equipment Required	Production Lead Time in Months (Adm/Prod)-Total	Unit Cost	Total Cost	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
1. CFE	4 Set	* Jan-97	Oct-97	9	0.2	0.9	
Data Transfer Equipment	4 Set	"	Feb-98	13	0.6	2.5	
Fiber Optic Network	4 Set	"	May-98	16	0.2	0.9	
HUD Equipment	4 Set	"	Aug-98	19	6.2	24.9	
EW System Equipment	4 Set	"	May-98	16	0.9	3.5	
Corn-Navigation Equipment	4	"	Sep-98	20	0.1	0.4	
Landing Gear	4	"	Aug-98	19	0.3	1.2	
Flight Control Actuator	4	"	Aug-98	19	0.8	3.4	
Vapor Cycle System	4	"	Feb-98	13	0.2	0.9	
Brake and Anti-Skid System	4	"	Dec-97	11	0.2	0.7	
LEF Drive Actuator	4	"	Oct-97	9	0.1	0.3	
Weapons Bay Drive	4	"	Feb-98	13	0.1	0.4	
Launchers	4	"	Sep-97	6	0	0.1	
Sensor Stick Force	4	"	Feb-98	13	0.2	0.7	
Ammo Handling	4	"	Oct-97	9	0.1	0.2	
Converter-Regulator	4	"	Feb-98	13	0.1	0.3	
Fuel Mgt System	4	"	Feb-98	13	0.2	0.7	
Titanium	Bulk	"	Aug-97	7	0.2	1.1	
Composite Material	Bulk	"	Mar-98	14	0.8	3.3	
Forgings	Bulk	"	Jan-98	12	1.6	6.5	
Other	N/A	"				0	
2. GFE (Specify)	0						
3. TOTAL	N/A					52.9	
NARRATIVE DESCRIPTION							
* Advance Procurement is required in FY97 to support the 4 Pre-Production Verification (PPV) Aircraft manufactured in FY98.							
Specific advance procurement items and lead times may change as the result of economic factors and program evolution.							

Exhibit P-10 Weapon System Advance Procurement Analysis/Justification

P-40 FOR A NET P-1 COST

BUDGET ITEM JUSTIFICATION SHEET											DATE	February 6, 1995
P-1 ITEM NOMENCLATURE												
APPROPRIATION/BUDGET ACTIVITY												
AIRCRAFT PROCUREMENT/BA01, COMBAT AIRCRAFT												
F-15E												
	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	TO COMPLETE	TOTAL PROGRAM		
QUANTITY	0	0	0	0	0	0	0	0	0	0		
COST (MILLIONS)	28.6	20.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		
INITIAL	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		
SPARES												
TOTAL (MILLIONS)	28.6	20.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0		
UNIT COST (MILLIONS)	0	0	0	0	0	0	0	0	0	0		

MISSION AND DESCRIPTION: The F-15 tactical fighter is designed for the counter air mission. Air-to-air tasks include combat air continental air defense, escort and fighter sweeps in or out of the enemy's ground-controlled intercept environment. The F-15 is a twin engine single crew fixed swept aircraft designed for high maneuverability in air-to-air combat. Two 24,000 lb. thrust, Pratt & Whitney F-100 turbofan engines enable the F-15 to reach a dash speed of mach 2.5.

The F-15E (Dual Rate Fighter) retains the basic air-to-air capability of the F-15 A-D tactical fighter and adds the systems necessary to meet the urgent requirement for all weather deep penetration and night/under-the-weather air-to-surface attack. It is a two seat aircraft configured with missionized cockpits, low altitude navigation, targeting and infrared for night (Lantirn) capability automatic terrain following/terrain avoidance, and other improvements necessary to fulfill the deep penetration and night/under-the-weather air-to-air surface attack mission.

P-40 FOR A NET P-1 COST

BUDGET ITEM JUSTIFICATION SHEET												DATE	February 6, 1995
P-1 ITEM NOMENCLATURE													
APPROPRIATION/BUDGET ACTIVITY													
AIRCRAFT PROCUREMENT/BA01, COMBAT AIRCRAFT													
F-16 PROCUREMENT													
	PRIOR YEARS	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	TO COMPLETE	TOTAL PROGRAM		
QUANTITY	2189	12	0	0	0	0	0	0	0	0	2201		
COST (MILLIONS)	31728.9	449.3	75.0	0	0	0	0	0	0	0	32253.2		
INITIAL SPARES	2821.7	1.2	7.8	0	0	0	0	0	0	0	2830.7		
TOTAL (MILLIONS)	34550.6	450.5	82.8	0	0	0	0	0	0	0	32253.2		
UNIT COST (MILLIONS)	15.784	37.542	0	0	0	0	0	0	0	0	14.654		

MISSION AND DESCRIPTION: The F-16 Multimission Fighter is a single seat, fixed wing, high performance, single engine fighter aircraft. The design, optimized for the 0.8 Mach speed range, incorporated advanced technology features to enhance its combat capability while minimizing its acquisition, operating, and support costs. The advanced technology features include a high visibility, high "g" cockpit. The F-16 armament consists of a 20mm cannon, air-to-surface and air-to-air missiles, and approximately 11,000 pounds of conventional and guided air-to-surface ordnance. The F-16 will replace the F-4s in the active inventory as well as modernize the reserve forces.

NOTE: FY96 through FY01 funding requirements are addressed in Budget Activity 7, F-16 Post Production Support.

## BUDGET ITEM JUSTIFICATION SHEET

DATE:  
6-Feb-95

## APPROPRIATION/BUDGET ACTIVITY P-1 ITEM NOMENCLATURE

AIRCRAFT PROCUREMENT, AF/BA02, TACTICAL AIRCRAFT C-17A

	PRIOR YEARS	FY(PY)94	FY(CY)95	FY(BY)1996	FY(BY)2197	FY(BY)2+1198	FY(BY)2+2199	FY(BY)2+3100	FY(BY)2+4101	TO COMPLETE	TOTAL
QUANTITY	20	6	6	8	0	0	0	0	0	0	40.0
COST (in Millions)	7173.6	2086.30	2342.0	2402.5	72.0	74.9	76.8	75.2	74.5		14377.8
Initial Spares (in M)	422.5	29.5	102.8	117.5	83.9	78.1	33.9	16.5			884.7
Total (in Millions)	7596.1	2115.8	2444.8	2520.0	155.9	153.0	110.7	91.7	74.5	0.0	15262.5
Unit Cost (in M)*	379.8	352.6	407.5	315.0							1454.9

## MISSION AND DESCRIPTION:

Develops and procures C-17 airlift aircraft which will provide an additional increment of needed airlift capability to meet both strategic (long range) and tactical (theater) requirements. Allows rapid and timely inter and intratheater deployment, employment and resupply of combat forces to meet mobility requirements of theater Commanders. Provides intratheater outsize/airdrop capability not available within the current force structure. Will provide force modernization and replace lost capability of retiring some C-141 aircraft.

## FY96 Program Justification:

Funding will provide for procurement of 8 aircraft with attendant support.  
Includes funding for program management administration (PMA) for technical, engineering, and acquisition support

## FY95 Program Justification:

Funding will provide for procurement of 6 aircraft and attendant support.

## FY94 Program Justification:

Funding will provide for procurement of 6 aircraft and attendant support

## NOTE:

Continuation of the C-17 program beyond 40 aircraft will be determined at the Milestone III Defense Acquisition Board scheduled for November 1995.

P-1 Shopping List  
Item No.

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## BUDGET ITEM JUSTIFICATION SHEET

DATE:  
6-Feb-95

## APPROPRIATION/BUDGET ACTIVITY

## P-1 ITEM NOMENCLATURE

AIRCRAFT PROCUREMENT (ADV BUY) , AF/BA02, TACTICAL AIRLIFT

C-17A

	PRIOR YEARS	FY(PY)94	FY(CY)95	FY(BY)96	FY(BY)97	FY(BY2 + 1)98	FY(BY2 + 2)99	FY(BY2 + 3)00	FY(BY2 + 4)01	TO COMPLETE	TOTAL
QUANTITY	20	6	6								32
COST (in Millions)	808.9	222.2	199.9								1221.0
Initial Spares (in M)	0.0	0.0	0.0								0.0
Total (in Millions)	808.9	222.2	199.9								1221.0
Unit Cost (in M)*	40.4	37.0	31.7								109.1

## MISSION AND DESCRIPTION:

Develops and procures C-17 Airlift Aircraft which will provide an additional increment of needed airlift capability to meet both strategic (long range) and tactical (theater) requirements. Allows rapid and timely inter and intratheater deployment, employment, and resupply of combat forces to meet mobility requirements of theater Commander. Provides intratheater outside/airdrop capability not available now. Will provide force modernization and replace lost capability of retiring some C-130 and C-141 aircraft.

## FY95 PROGRAM JUSTIFICATION:

Funding will provide for the advance procurement of 8 aircraft with attendant support.

## FY94 PROGRAM JUSTIFICATION:

Funding will provide for the advance procurement of 6 aircraft with attendant support.

## NOTES:

To continue the C-17 program at the current level of 8 aircraft in FY97, \$183.8 million would be required for advance procurement in FY98. These funds will be sourced, pending the outcome of the Milestone III Defense Acquisition Board review scheduled for November 1995.

P-1 Shopping List  
Item No.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		Appropriation/Budget Activity Title/No. 3010/10C17A		B. Weapon Model/Series/ Popular Name C-17A			C. Manufacturer Name Plant City/State location McDonnell Douglas Long Beach, CA		D. Date 06-Feb-95			
Weapon System Cost Elements				Ident. Code	FY94 Unit Cost	6.0 Tot. Cost	FY95 Unit Cost	6.0 Tot. Cost	FY96 Unit Cost	8.0 Tot. Cost	FY97 Unit Cost	0.0 Tot. Cost
1 Airframes/CFE				A	275.4	1652.1	270.5	1623.2	237.8	1902.0	0	1.3
2 ENGINE/ACCESSORIES(4 PER A/C) (F117-PW-100)				A	24.0	144.1	23.7	142.1	25.1	201.0	0	0.0
3 AVIONICS				A	8.4	50.6	9.4	56.4	8.5	68.2	0	0.0
A. CFE				A	0.6	3.6	0.9	5.7	1.0	7.8	0	0.0
B. GFE				A	0.1	0.7	0.2	1.4	0.2	1.9	0	0.0
4 OTHER GFE				A	19.2	114.9	21.7	130.3	9.0	71.8	0	0.0
5 ECO (All Flyaway Components)												
6 NON-RECURRING COSTS				A								
Contractor				A		12.4		0.0		0.0		0.0
Cost Reduction				A		12.2		73.7		104.3		0.0
Hazmat				A		0.0		20.0		0.0		0.0
7 SETTLEMENT				A		0.0		178.0		0.0		0.0
8 Subtotal FLYAWAY COST				A	327.7	1990.6	326.5	2230.8	281.6	2356.9	0	1.3
9 AIRFRAME PGSE				A		22.3		31.0		48.0		0.0
10 COMMON SUPPORT EQUIP				A		18.2		9.1		7.9		0.0
11 PECULIAR TRAINING EQUIPMENT				A		38.2		42.6		77.8		0.0
12 PUBLICATIONS/TECH. DATA				A		16.9		39.2		14.9		0.0
13 OFF S/W				A		0.0		12.0		12.4		0.0
14 RM&A				A		0.0		0.0		20.0		0.0
15 ICS				A		28.7		35.6		54.5		70.7
16 MISSION SUPPORT				A		0.0		0.0		0.0		0.0
17 Subtotal SUPPORT COST				A	0.0	124.3	0.0	169.5	0.0	235.5	0.0	70.7
18 GROSS P-1 END COST					327.7	2114.9	326.5	2400.3	281.6	2592.4	0	72.0
19 LESS: PRIOR YR ADV. PROC (FY95 = \$26M-FY93 & \$222.2M-FY94)				A		250.9		248.2		189.9		0.0
20 NET P-1 FULL FUNDING COST (Must equal FY amount displayed on the P-40 exhibit)												
						1864.0	326.5	2152.1	281.6	2402.5	0	72.0
21 Plus Current Year ADV. PROC.				A		222.2		189.9		0.0		0.0
22 Other Non P-1 Weapon System Costs												
Initial Spares				A		29.5		102.8		117.5		83.9
Mods				A		3.5		6.2		15.0		28.9
Common Age CSE				A		0.0		0.0		0.0		0.0
TOTAL				0	327.7	2119.2	326.5	2451.0	281.6	2535.0	0	184.8

NOTES:

--This document only accounts for the 40 aircraft the Department of Defense intends to procure prior to Milestone IIIB. Forty is considered an appropriate commitment to evaluate whether demonstrated program cost, schedule, and performance warrants completing the 120 aircraft program.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					A. DATE		06-Feb-95			
B. Appropriation/Budget Activity			C. P-1 Item Nomenclature							
AIRCRAFT PROCUREMENT/BAO2/AIRLIFT			C-17A							
Cost Elements	Contractor and Location	Contract Method & Type	Contracted By	Award Date	Date of First Delivery	Quantity	Unit Cost	Specs Available Now	Specs REV REQ'D	If Yes, when Available
Fiscal Year										
AIR VEHICLE										
FY94	McDonnell Douglas	C/FPI	AMC/ASC	Jun-94	Aug-95	6	303.7		N/A	
FY95	McDonnell Douglas	C/FPI	AMC/ASC	Apr-95	Aug-96	6	311.9			
FY96	McDonnell Douglas	C/FPI	AMC/ASC	Dec-95	Aug-97	8	256.5			
PROPULSION										
FY94	Pratt & Whitney	FFP	AMC/ASC	Jun-94	Jul-94	6	24.0		N/A	
FY95	Pratt & Whitney	FFP	AMC/ASC	Feb-95	Jun-95	6	23.7			
FY96	Pratt & Whitney	FFP	AMC/ASC	Jan-96	May-96	8	25.1			
REMARKS:										
- Engine Unit Cost are per shipset of 4 engines										
--Air Vehicle unit cost is total of Air Vehicle, Avionics (CFE and GFE), Other GFE, and ECO unit costs										

EXHIBIT P-5A Procurement History and Planning

WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT P-10A (COMPARISON OF REQUEST TO EXECUTIONS) (TOA, Dollars In Thousands)					Prior Year for Fiscal Year Program -- FY94	
Weapon System Type (Model/Serial No.)					DATE	6 Feb 1995
Advance Procurement/Advance Funding Items		First System Award Date		First System Completion Date	Interval Between System Completions	
		Quantity	Date Contract Award Required/Actual	Delivery Date of First Equip. Required/Actual	Production Lead Time In Months Total Requested (ADM/Prod) Actual (ADM/Prod)	Actual Contract Cost (\$ In Millions)
(1)		(2)	(3)	(4)	(5)	(6)
1. AIRCRAFT CFE		6	Apr-94	Aug-96	4 Mo Admin/35 Mo Production	213.6
2. AIRCRAFT GFE		0				8.6
3. SUBTOTAL		0				222.2
4. EOQ(MYP)		0				0
5. TOTAL						220.6

-No FY94 advanced buy will be used for the Lot VII engine procurement contract. The Lot VII contract has been delayed. This was done to accommodate the contractor request to more closely align the Lot VII terms and conditions with a commercial procurement, and incorporate the provisions of the 1994 Acquisition Streamlining Act.

Exhibit P-10A2 Advance Procurement Execution/Request Comparison



WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT P-10A (COMPARISON OF REQUEST TO EXECUTIONS)					Current Year for Fiscal Year Program -- FY95		
(TOA, Dollars in Thousands)					DATE 6 Feb 1995		
Weapon System Type (Model/Series No.)		First System Award Date		First System Completion Date	Interval Between System Completions		
C-17A		Jan-95		Aug-97			
Advance Procurement/Advance Funding Items	Quantity	Date Contract Award Required/Actual	Delivery Date of First Equip. Required/Actual	Production Lead Time in Months Total Requested (ADM/Prod) Actual (ADM/Prod)	Total Cost Requested	Actual Contract Cos	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
1. AIRCRAFT CFE	8	Feb-95	Aug-97	4 Mo Admin/35 Mo Production	180.8		
2. AIRCRAFT GFE					9.1		
3. SUBTOTAL					189.9		
4. EOQ(MYP)	0				0.0		
5. TOTAL					189.9		
NARRATIVE DESCRIPTION --Based on the decision not to use FY94 advance buy for Lot VII engines, no advance buy funding for the engines is planned. The funds that had been budgeted will be used for the aircraft advance procurement, which has a projected shortfall in funds. the provisions of the 1994 Acquisition Streamlining Act.							

Weapon System Advance Procurement EXHIBIT P-10 (Procurement of Advance Design and Material) (TOA, Dollars In Thousands)				Budget Year 1 for Fiscal Year Program --FY96		
Weapon System Type (Model/Series No.)				DATE	6 FEB 95	
First System Award Date				First System Completion Date	Interval Between System Completions (Months)	
Advance Procurement/Advance Funding Items				Quantity	Date Contract Award Planned/Required	Delivery Date of First Equipment Required
(1)				(2)	(3)	(4)
Production Lead Time In Months(Adm/Prod)-Total				(5)	(6)	(7)
Unit Cost				Total Cost		
1. AIRCRAFT CFE				0		0
2. AIRCRAFT GFE				0		0
3. SUBTOTAL				0		0
4. EOQ(MYP)				0		0
5. TOTAL						0

-To continue the C-17 program at the current level of 8 aircraft in FY97 would require \$183.8M of advance procurement in FY96. These funds will be sourced, pending a decision at the Milestone III Defense Acquisition Board review scheduled for November 1995, from the budgeted Strategic Airlift funding.



EXHIBIT P-6

Acquisition Logistics and Operations and Support Funding for Selected Weapon Systems

A. General Program Data	6 6 6 8							
	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01 Complete Total
Procurement Qty.								
Cum Operating Inv.								
No. of Op. Units								
OPTEMPO								
(Flying hours or miles per month)								
Readiness Obj.								
Intermediate Level								
Stand-up Date								
Depot Level Stand-up Date								
B. Acquisition Logistics Resources								
Initial Spares	29.5	102.8	117.5	83.9	78.1	33.9	16.5	0.0
War Reserve Spares	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Field Level Common								
Supt. Eq. Proc.	18.2	9.1	7.9	0.0	0.0	0.0	0.0	0.0
Field Level Peculiar								
Supt. Eq.								
RD&E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Proc.	22.3	31.0	48.0	0.0	0.0	0.0	0.0	0.0
Depot Level Supt.								
Eq./Software								
RD&E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Proc.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Technical Data/Manuals								
RD&E	1.9	3.0	0.0	0.0	0.0	0.0	0.0	0.0
Proc.	16.9	39.2	14.9	0.0	0.0	0.0	0.0	0.0
Training Svcs. & Training Eq.								
(Crew and Maintenance)								
RD&E	0.3	3.3	1.5	0.0	0.0	0.0	0.0	0.0
Proc.	38.2	42.6	77.8	0.0	0.0	0.0	0.0	0.0
C. Operations and Support								
Manpower (\$)								
Military	27.0	30.3	46.1	62.0	78.7	92.8	92.0	94.8
Civilians	1008	1419	1913	2242	2764	2765	2765	2765
Fuel	62	93	117	153	189	184	184	184
Consumables								
Reparables	11.0	52.3	74.2	96.4	123.2	136.3	140.4	144.7
Sustaining Eng. Support								
Depot Maintenance	37.0	55.4	60.2	53.2	58.2	61.1	62.9	64.8
Indirect Support								
Interim Contractor Supt. (ICS)	49.0	104.5	133.3	156.2	166.6	179.8	185.1	190.8
	28.7	35.6	54.5	70.7	73.5	75.5	73.8	73.2
								465.3

Notes:

- Consistent with OSD guidance, manpower and aircraft costs for the schoolhouse are captured in the indirect support category
- Manpower numbers reflect active duty and reserve requirements
- Assumes depot capability beginning in FY97 and full up in FY99, a steady-state situation under a 40 total aircraft scenario

EXHIBIT P-6 Acquisition Logistics and O&S Funding

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$000)										DATE	6 FEB 95
Appropriation/P-1 Line Item		Weapon System(If Applicable)				Equipment Nomenclature				PE	
PROD 3010		C-17 TRAINERS (ATS & MTD)								41130F	
Fin Plan	FY93/P	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	Total	
Quantity		4		1						5	
Proc	161610	38200	42600	77800	0	0	0	0	0	320210	
RDT&E	140500	0	0	0	0	0	0	0	0	140500	
O&S	7980	6630	8050	10733	13420	16370	19320	21340	22740	126583	
<p><b>TRAINING SYSTEM DESCRIPTION      ATS</b></p> <p>Provides initial and continuous training for C-17 aircrew members. Training will be totally contractor administered and supported, with AMC evaluating the final product, a fully qualified member. The training system will be developed concurrently with the aircraft development and production. The Aircrew Training System (ATS) consists of: Weapon System Trainers (WSTs), Computer Based Trainers (CBTs), Loadmaster Stations (Ls), Cargo Compartment Trainers (CCTs) and Cockpit Systems Simulators (CCSs). The blend or mix of the components depend on the base or schoolhouse they are being delivered to. The bases are: Charleston AFB, Altus AFB.</p> <p><b>MTD</b></p> <p>The system is designed to reduce the maintenance training level to the lower skill levels.</p> <p>The system will employ accessibility, repairability, and interchangeability features. Integration will be with the aircraft development and production.</p> <p>Program is constrained to a 40 aircraft buy profile.</p>											
P-1 Shopping List Item No.		Page No.				EXHIBIT P-43					
		1				Simulator & Training Device Justification					

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 3) (\$000)										DATE: 6 FEB 95			
Training Device by Type		Weapon System (If Applicable) ATS & MTD											
C-17 TRAINERS													
Description/Justification		ATS: Provides initial and continuous training to C-17 aircrews. MTD: Procures the devices necessary to reduce the maintenance manning level and training to the lowest level.											
Financial Plan		Prior Years		FY94		FY95		FY96		Cost to Complete		Total Cost	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
HARDWARE COSTS													
Device (Hardware)		4	160310									6	201710
Concurrence Updates							42300						116300
Nonrecurring													
GFE													
Other(Specify)													
Total Hardware Costs			160310		37900		42300		41400		0		318010
SUPPORT COSTS													
Special SE													
Integrated Logistics Supt.													
Other(Specify)													
Total Support Costs			0		0		0		0		0		0
Software/Courseware			1300		300		300		300				2200
TOTAL COSTS			161610		38200		42600		77800		0		320210
		P-1 Shopping List Item No.				Page No.				EXHIBIT P-43			
						3							

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 2) (\$000)														
Appropriation/ P-1 Line Item			Weapon System		IOC Date Aircraft		Equipment Nomenclature		DATE: 6 FEB 95					
3010			C-17 Trainers		Jan-95				41130F					
Training Device By Type	Site	Delivery Date	Ready for Training Date	Average Student Throughput	Prior Years		FY94		FY95		FY96		FY97	
					Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost		
MID 1 suite	Altus	94-95	As Units Accepted	TBD	1	79100		22100		26100		36400		0
ATS wst	Base C	Jul-94	Jul 94	318	3	82510		16100	1	16500			0	0
wst	Base B	Apr-95	As Accepted	224										
wst	Base B	Oct-95	As Accepted	224								41400	0	0
wst	TBD	Apr-98	As Accepted	TBD										
				TOTAL		161610		38200		42600		77800	0	0
P-1 Shopping List					Item No.		Page No.		EXHIBIT P-43					
							2							

P-40 FOR ADVANCE PROCUREMENT BUDGET ITEM JUSTIFICATION SHEET												
DATE												
Feb-95												
P-1 ITEM NOMENCLATURE												
C-130H HERCULES												
3010/10400J												
(\$M)	PRIOR YEARS	FY (PY) 94	FY (CY) 95	FY (BY) 96	FY (BY) 97	FY (BY) 98	FY (BY) 99	FY (BY) 00	FY (BY) 01	FY (BY) 02	FY (BY) 03	TOTAL PROGRAM
QUANTITY	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.00
COST (MILLIONS)	527.10	42.20	31.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	600.60
INITIAL SPARES (MILLIONS)	23.60	1.10	15.80	14.30	14.70	30.00	24.10	23.20	16.70	0.00	0.00	163.50
TOTAL (MILLIONS)	550.70	43.30	47.10	14.30	14.70	30.00	24.10	23.20	16.70	0.00	0.00	764.10
UNIT COST (MILLIONS)	34.42	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**MISSION AND DESCRIPTION:**

The C-130 provides the immediate and responsive air movement and delivery of combat troops and supplies directly into objective areas through airlifting, extraction, airdrop or other delivery techniques; and the air logistics support of all theater forces, including those engaged in combat operations, to meet specific theater objectives and requirements. It is a medium size tactical transport powered by four T-56-A-15 turboprop engines. It has a ferry range of 4,200 NM, a service ceiling of 35,000 feet, and a cruise speed of 315 knots, and can carry a payload of 40,174 pounds. The Air Force is designated Executive Service for the C-130 production contract. The Five Year Option Contract (FYOC) covers FY92-95, effective 10 Dec 91.

**FY95 PROGRAM JUSTIFICATION:** THE FY95 PROGRAM PROVIDES FOR RESIDUAL TASKS AND SUPPORT REQUIREMENTS FOR THE FY92/93 ACC AIRCRAFT

EXHIBIT P-40 Line Item 8





UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET											
DATE				Feb-95							
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE							
3010/10400J				C-130J							
(\$M)	PRIOR YEARS	FY (PY) 94	FY (CY) 95	FY (BY) 96	FY (BY) 97	FY (BY + 1) 98	FY (BY + 2) 99	FY (BY + 3) 00	FY (BY + 4) 01	TO COMPLETE	TOTAL PROGRAM
QUANTITY	0	0	0	2	2	2	2	2	2	0	12
COST (MILLIONS)	0	0	0	88.6	92.8	98.8	95.7	95.9	94.4	0.0	566.2
INITIAL SPARES (MILLIONS)	0	0	0	17.0	19.4	12.5	12.9	13.3	13.7	0.0	88.8
TOTAL (MILLIONS)	0	0	0	105.6	112.2	111.3	108.6	109.2	108.1	0.0	655
UNIT COST (MILLIONS)	0	0	0	52.8	56.1	56.7	54.3	54.6	54.1	0.0	0

**MISSION AND DESCRIPTION:**

The C-130 provides the immediate and responsive air movement and delivery of combat troops and supplies directly into objective areas through airdropping, extraction, airdrop or other delivery techniques; and the air logistics support of all theater forces, including those engaged in combat operations, to meet specific theater objectives and requirements. It is a medium size tactical transport powered by four AE2100 turboprop engines. It has a ferry range of 3,800 NM, a service ceiling of 27,000 feet, and a cruise speed of 320 knots, and can carry a payload of 42,200 pounds. The Air Force is designated Executive Service for the C-130 production contract.

**FY96 PROGRAM JUSTIFICATION:** The C-130J will replace the aging C-130E models. The C-130J model will have an upgraded two crew member cockpit, modern technology avionics and new engines and propellers. C-130J will provide improvements in reliability and maintainability thus securing reductions in operating and support costs and improved availability.

FYDP includes funding for program management administrative (PMA) requirements for technical, engineering and acquisition support.

EXHIBIT P-40 Line Item 9

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) (\$M)			Appropriation/Budget Activity Title/No. 3010/10400J		B. Weapon Model/Series/ Popular Name C-130J				C. Manufacturer Name Plant City/State location LOCKHEED/MARIETTA, GA		D. Date Month/Year 6-Feb-95	
Weapon System Cost Elements			Ident. Code	FY94 Unit Cost	QTY Tot. Cost	FY95 Unit Cost	FY95 Tot. Cost	FY96 Unit Cost	FY96 Tot. Cost	FY97 Unit Cost	FY97 Tot. Cost	Qty (2)
1. Airframes/Engine (4 per A/C) (Eng Model: ALLISON AE2100)			A									
2. AVIONICS A. CFE												
B. GFE												
3. ARMAMENT												
4. OTHER GFE												
5. ECO (All Flyaway Components)												
6. NON-RECURRING COSTS (Tooling)												
(Other)												
7. OTHER COSTS												
8. Subtotal FLYAWAY COST				0	0	0	0	0	0	88.6	46.4	92.8
9. AIRFRAME PGSE			A									
10. ENGINE PGSE												
11. AVIONICS PGSE												
12. PECULIAR TRAINING EQUIPMENT												
13. PUBLICATIONS TECH. DATA												
14. ECO (All Support Items)			A							0.034	0.017	0.017
15. OTHER (TEST/MISSION) PMA (PAP 56) TRANSFER												
16. Subtotal SUPPORT COST				0	0	0	0	0	0	88.6	46.4	92.8
17. GROSS P-1 END COST												
18. LESS: PRIOR YR ADV. PROC (Breakout by Prior FY funding)												
19. NET P-1 FULL FUNDING COST (Must equal FY amount displayed on the P-40 exhibit)				0	0	0	0	0	0	88.6	46.4	92.8
20. Plus Current Year ADV. PROC.												
21. Other Non P-1 Weapon System Costs												
22. Initial Spares										17		19.4
23. Mod.												
TOTAL				0	0	0	0	0	0	105.6	56.1	112.2

NOTE: Aircraft has not been defined well enough to determine separate costs. Total cost has not yet been fully determined (still in early stages).

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)										A. DATE	
B. Appropriation/Budget Activity										6-Feb-95	
C. P-1 Item Nomenclature										C-130J	
Fiscal Year	Contractor and Location	Contract Method & Type	Contracted By	Award Date	Date of First Delivery	Quantity	Unit Cost	Specs Available Now	Specs REV REQ'D	If Yes, when Available	
96	LASC Marietta, Ga.	SS/FP	AFMC	May-95	Jun-97	2	44.3M	No	Yes	Feb-95	
97	LASC Marietta, Ga.	SS/FP	AFMC	TBD	TBD	2	46.4	No	Yes	Feb-95	
D> REMARKS Air Vehicle: FY96 a/c are in the planning stages to be purchased under a Five Year Option Contract (FYOC). The engines are being provided as Contractor Furnished Equipment (CFE) and are included in the air vehicle price. FY97: Award and delivery dates are not available at this time. Based upon the fact that FY96 actions are not definite.											

EXHIBIT P-5A Procurement History and Planning

6-Feb-95

EXHIBIT P-4: C-130J PROGRAM  
3010 APPROPRIATION (0000s)  
Acquisition Logistics and Operations and Support Funding for Selected Weapon Systems

	To						Total TBD
	94	95	96	97	98	99	
A. General Program Data							
Procurement Qty.	0	0	2	2	2	2	TBD
Cum Operating Inv.	0	0	2	4	6	8	TBD
No. of Op. Units							
OPTEMPO							
(Flying hours or miles per month)							
Readiness Obj.							
Intermediate Level							
Stand-up Date							
Depot Level Stand-up Date							
B. Acquisition Logistics Resources							
Initial Spares	0	0	16976	19442	12630	12929	13328
War Reserve Spares							13727
Field Level Common							TBD
Suppl. Eq. Proc.							
Field Level Peculiar							
Suppl. Eq.							
RD1&E							
Proc. (AERONAUTICAL VEHICLE)							
Depot Level Suppl.							
Eq./Software							
RD1&E							
Proc.							
Technical Data/Manuals							
RD1&E							
Proc.							
Training Svcs. & Training Eq.							
(Crew and Maintenance)							
RD1&E							
Proc.							
C. Operations and Support *							
Manpower (Nos. and dollars)							
Military							
Officer							
Enlisted							
Civilians							
Fuel							
Consumables							
Reparables							
Surfacing Eng. Support							
Interim Contractor Suppl. (ICIS)							

\* FIGURES NOT AVAILABLE.

EXHIBIT P-4 Acquisition Logistics and O&S Funding







DATE:  
6-Feb-95

## BUDGET ITEM JUSTIFICATION SHEET

APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE									
AIRCRAFT PROCUREMENT, AF/BA02, TACTICAL AIRCRAFT		STRATEGIC AIRLIFT/NDAA									
	PRIOR YEARS	FY(PY)94	FY(CY)95	FY(BY)96	FY(BY)97	FY(BY2 + 1)98	FY(BY2 + 2)99	FY(BY2 + 3)00	FY(BY2 + 4)01	TO COMPLETE	TOTAL
QUANTITY											
COST (in Millions)	0.0	98.00	0.0	184.0	2568.1	2660.5	3919.6	4156.5	4301.3		17790.0
Initial Spares (in M)											
Total (in Millions)	0.0	0.0	0.0	184.0	2568.1	2660.5	3919.6	4156.5	4301.3		17790.0
Unit Cost (in M)*											

## MISSION AND DESCRIPTION:

Funding supports acquisition of an existing military or commercial aircraft as determined by the Milestone III Defense Acquisition Board review scheduled for Nov 1995.

FYDP Includes funding for program management administration (PMA) for technical, engineering and acquisition support.

P-1 Shopping List  
Item No. 10 and 11

UNCLASSIFIED



P-40 FOR ADVANCE PROCUREMENT

BUDGET ITEM JUSTIFICATION SHEET										DATE
										6-Feb-95

P-1 ITEM NOMENCLATURE											
T-3A - ENHANCED FLIGHT SCREENER (EFS)											
3010 FY96 PRESIDENT'S BUDGET (PB)											
APPROPRIATION/BUDGET ACTIVITY											
AIRCRAFT PROCUREMENT (ADVANCE BUY)BA01, COMBAT AIRCRAFT											
	PRIOR YEARS	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	TO COMPLETE	TOTAL PROGRAM
QUANTITY	80	33	0	0	0	0	0	0	0	0	113
COST (MILLIONS)	28.7	9.9	0.0	0	0	0	0	0	0	0	38.6
INITIAL SPARES	0.0	1.6	0.0	0	0	0	0	0	0	0	1.6
TOTAL (MILLIONS)	28.7	11.5	0.0	0	0	0	0	0	0	0	40.2
UNIT COST (MILLIONS)	0.4	0.3	0.0	0	0	0	0	0	0	0	

MISSION AND DESCRIPTION:

The T-3A - Enhanced Flight Screener (EFS) is required to provide a uniform Air Force flight screening program. T-3A will ensure AETC ability to select the best qualified candidates for Specialized Undergraduate Pilot Training (SUPT) and reduce the attrition rate in SUPT through comprehensive screening. The T-3A aircraft is Slingsby's M200 Firefly missionized with avionics and a large engine (New designation is the M260). T-3A is a commercial replacement to the single-engine, high wing T-41A and T-41C based at Hondo, TX and the United States Air Force Academy (USAF). The aircraft is certified IAW Federal Aviation Regulation (FAR) part 23 acrobatic standards.

FYCY PROGRAM JUSTIFICATION: N/A

FYBY1 PROGRAM JUSTIFICATION: N/A

## P-40 FOR NET P-1 COST

BUDGET ITEM JUSTIFICATION SHEET		DATE									
FY96 PRESIDENT'S BUDGET		6 Feb 95									
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE									
AIRCRAFT PROCUREMENT/BA01, COMBAT AIRCRAFT		Joint Primary Aircraft Training System (JPATS)84740F									
	PRIOR YRS	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	TO COMP	TOTAL
QUANTITY	0	0	3	3	12	18	18	24	30	264	372
COST	0.0	0.0	92.7	55.0	109.1	132.4	136.9	169.1	222.9	2374.4	3292.5
(Millions)											
INITIAL											
SPARES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	277.1	277.1
(Millions)											
TOTAL	0.0	0.0	92.7	55.0	109.1	132.4	136.9	169.1	222.9	2651.5	3569.6
(Millions)											
UNIT COST	0	0	30.9	18.3	9.1	7.4	7.6	7.0	7.4	10.0	9.6
(Millions)											

## MISSION AND DESCRIPTION:

JPATS is planned as a joint USAF/USN venture to replace the Services' fleet of primary trainer aircraft (T-37/T-34 respectively) and associated GBTS. The USAF's T-37 aircraft average over 30 years of age. They have antiquated, increasingly unsupportable and non-representative avionics as well as underpowered and fuel inefficient engines. Cockpits are unpressurized, resulting in the largest number of physiological incidents in the Air Force. The USAF will serve as the Lead or Executive Service.

The Program Management Administrative (PMA) initiative costs for the JPATS program are identified separately for FY96 - FY01 on the P-5 exhibit attached.

The USAF planned quantity is 372, with the first procurement in FY95.

The JPATS program will acquire a non-developmental aircraft. Missionization may occur after contract award.

FY95 (CY) PROGRAM JUSTIFICATION: Procure 3 aircraft and associated support. Aircraft are required to begin student training at Randolph AFB, TX.

FY96 (BY1) PROGRAM JUSTIFICATION: Procure 3 aircraft and associated support. Aircraft are required to begin student training at Randolph AFB, TX.

Identification Code: N/A

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. Appropriation/Budget Activity Title/No.		B. Weapon Model/Series/ Popular Name		C. Manufacturer Name Plant City/State location		D. Date Month/Year	
	3010		Joint Primary Aircraft Training System (JPATS)		TBD		6 Feb 95	
	Ident. Code	PY (FY94)	QTY	CY (FY95)	Unit Cost	Qty	Unit Cost	Qty
Weapon System Cost Elements		Unit Cost	Tot Cost	Unit Cost	Tot Cost	Unit Cost	Tot Cost	Tot Cost
1. AIRFRAME/CFE/SE/PM	N/A		0	8	25	7	20	66
2. ENGINE/ACCESSORIES (SEE NOTE 1) (Eng Model: TBD)				0	0	0	0	0
3. AVIONICS				1	2	1	2	9
A. CFE				0	0	0	0	0
B. GFE				0	0	0	0	0
4. ARMAMENT				0	0	0	0	0
5. OTHER GFE				0	0	0	0	0
6. ECO (All Flyaway Components)				2	5	5	14	21
7. NON-RECURRING COSTS				9	26	2	6	3
8. OTHER COSTS				0	0	0	0	0
9. Subtotal FLYAWAY COST		0	0	19	58	14	42	98
10. AIRFRAME PGSE				0	0	0	0	0
11. ENGINE PGSE				0	0	0	0	0
12. AVIONICS PGSE				0	0	0	0	0
13. PECULIAR TRAINING EQUIPMENT				0	0	0	0	0
14. PUBLICATIONS/TECH. DATA				1	4	1	3	3
15. ECO (Flyaway)				0	0	0	0	0
16. OTHER (SEE NOTE 2 & 3)				10	30	3	9	8
17. Subtotal SUPPORT COST		0	0	12	35	4	13	12
18. GROSS P-1 END COST		0	0	31	93	18	55	109
19. LESS: PRIOR YR ADV. PROC		0	0	0	0	0	0	0
20. NET P-1 FULL FUNDING COST		0	0	31	93	18	55	109
21. Plus Current Year ADV. PROC.		0	0	0	0	0	0	0
Other Non P-1 Weapon System Costs		0	0	0	0	0	0	0
22. Initial Spares		0	0	0	0	0	0	0
23. Mods		0	0	0	0	0	0	0
24. TOTAL		0	0	31	93	18	55	109

NOTES:

- ENGINE COST INCLUDED IN AIRFRAME COST
- OTHER INCLUDES AWARD FEE, TEST, SITE ACTIVATION/PRE-OPS PLAN & ICS.
- Program Management/Administration INITIATIVE TRANSFERS INCLUDED IN OTHER ARE DETAILED IN WHOLE DOLLARS, AS FOLLOWS: FY96=\$30,000; FY97=\$31,000, FY98=\$32,000; FY99=\$33,000; FY00=\$34,000; FY01=\$35,000

THE UNIT AND TOTAL COST WILL NOT MATCH P-40 EXHIBIT DUE TO THE REQUIREMENT TO ROUND TO THE NEAREST WHOLE DOLLAR.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)				A. DATE		6 Feb 95				
B. Appropriation/Budget Activity				C. P-1 Item Nomenclature						
3010/84740F				Joint Primary Aircraft Training System (JPATS)						
Cost Elements Fiscal Year	Contractor and Location	Contract Method & Type	Contracted By	Award Date	Date of First Delivery	Quantity	Unit Cost	Specs Available Now	Specs REV REQ'D	If Yes, when Available
<u>AIR VEHICLE</u>										
FY94	None	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A
FY95	Unknown	C/FPO	AFMC	Aug-95	Jun-98	3	19	Yes	No	N/A
FY96	Unknown	C/FPO	AFMC	May-96	Dec-98	3	14	Yes	No	N/A
FY97	Unknown	C/FPO *	AFMC	Feb-97	Mar-99	12	8	N/A	N/A	N/A
<p>D. REMARKS:</p> <p>Variations in Unit Cost from FY to FY: There is a significant amount of non-recurring associated with FY95 which decreases in FY96 and FY97.</p> <p>* FPIF with EPA with Award Fee</p>										

1

SHIPPING LIST



FY98/7 BUDGET PRODUCTION SCHEDULE		P-1 ITEM NOMENCLATURE		DATE		FISCAL YR BY2+5 02		FISCAL YR BY2+4 01		FISCAL YR BY6 (01)		FISCAL YR BY3 (00)		FISCAL YR BY2+3 00		FISCAL YR BY2+5 02		FISCAL YR BY7 (02)		FISCAL YR BY7 (02)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
FY98 PRESIDENT'S BUDGET		Joint Primary Aircraft Training System (JPATS)		6 Feb 95																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
ITEM/MANUFACTURER/ PROCUREMENT YEAR	S E K V	PROC. QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	O C T V	D E C V	J A N 1	F E B 1	M A R 1	A P R 1	M A Y 1	J U N 1	J U L 1	A U G 1	S E P 1	O C T 1	N O V 1	D E C 1	J A N 2	F E B 2	M A R 2	A P R 2	M A Y 2	J U N 2	J U L 2	A U G 2	S E P 2	O C T 2	N O V 2	D E C 2	J A N 3	F E B 3	M A R 3	A P R 3	M A Y 3	J U N 3	J U L 3	A U G 3	S E P 3	O C T 3	N O V 3	D E C 3	J A N 4	F E B 4	M A R 4	A P R 4	M A Y 4	J U N 4	J U L 4	A U G 4	S E P 4	O C T 4	N O V 4	D E C 4	J A N 5	F E B 5	M A R 5	A P R 5	M A Y 5	J U N 5	J U L 5	A U G 5	S E P 5	O C T 5	N O V 5	D E C 5	J A N 6	F E B 6	M A R 6	A P R 6	M A Y 6	J U N 6	J U L 6	A U G 6	S E P 6	O C T 6	N O V 6	D E C 6	J A N 7	F E B 7	M A R 7	A P R 7	M A Y 7	J U N 7	J U L 7	A U G 7	S E P 7	O C T 7	N O V 7	D E C 7	J A N 8	F E B 8	M A R 8	A P R 8	M A Y 8	J U N 8	J U L 8	A U G 8	S E P 8	O C T 8	N O V 8	D E C 8	J A N 9	F E B 9	M A R 9	A P R 9	M A Y 9	J U N 9	J U L 9	A U G 9	S E P 9	O C T 9	N O V 9	D E C 9	J A N 10	F E B 10	M A R 10	A P R 10	M A Y 10	J U N 10	J U L 10	A U G 10	S E P 10	O C T 10	N O V 10	D E C 10	J A N 11	F E B 11	M A R 11	A P R 11	M A Y 11	J U N 11	J U L 11	A U G 11	S E P 11	O C T 11	N O V 11	D E C 11	J A N 12	F E B 12	M A R 12	A P R 12	M A Y 12	J U N 12	J U L 12	A U G 12	S E P 12	O C T 12	N O V 12	D E C 12	J A N 13	F E B 13	M A R 13	A P R 13	M A Y 13	J U N 13	J U L 13	A U G 13	S E P 13	O C T 13	N O V 13	D E C 13	J A N 14	F E B 14	M A R 14	A P R 14	M A Y 14	J U N 14	J U L 14	A U G 14	S E P 14	O C T 14	N O V 14	D E C 14	J A N 15	F E B 15	M A R 15	A P R 15	M A Y 15	J U N 15	J U L 15	A U G 15	S E P 15	O C T 15	N O V 15	D E C 15	J A N 16	F E B 16	M A R 16	A P R 16	M A Y 16	J U N 16	J U L 16	A U G 16	S E P 16	O C T 16	N O V 16	D E C 16	J A N 17	F E B 17	M A R 17	A P R 17	M A Y 17	J U N 17	J U L 17	A U G 17	S E P 17	O C T 17	N O V 17	D E C 17	J A N 18	F E B 18	M A R 18	A P R 18	M A Y 18	J U N 18	J U L 18	A U G 18	S E P 18	O C T 18	N O V 18	D E C 18	J A N 19	F E B 19	M A R 19	A P R 19	M A Y 19	J U N 19	J U L 19	A U G 19	S E P 19	O C T 19	N O V 19	D E C 19	J A N 20	F E B 20	M A R 20	A P R 20	M A Y 20	J U N 20	J U L 20	A U G 20	S E P 20	O C T 20	N O V 20	D E C 20	J A N 21	F E B 21	M A R 21	A P R 21	M A Y 21	J U N 21	J U L 21	A U G 21	S E P 21	O C T 21	N O V 21	D E C 21	J A N 22	F E B 22	M A R 22	A P R 22	M A Y 22	J U N 22	J U L 22	A U G 22	S E P 22	O C T 22	N O V 22	D E C 22	J A N 23	F E B 23	M A R 23	A P R 23	M A Y 23	J U N 23	J U L 23	A U G 23	S E P 23	O C T 23	N O V 23	D E C 23	J A N 24	F E B 24	M A R 24	A P R 24	M A Y 24	J U N 24	J U L 24	A U G 24	S E P 24	O C T 24	N O V 24	D E C 24	J A N 25	F E B 25	M A R 25	A P R 25	M A Y 25	J U N 25	J U L 25	A U G 25	S E P 25	O C T 25	N O V 25	D E C 25	J A N 26	F E B 26	M A R 26	A P R 26	M A Y 26	J U N 26	J U L 26	A U G 26	S E P 26	O C T 26	N O V 26	D E C 26	J A N 27	F E B 27	M A R 27	A P R 27	M A Y 27	J U N 27	J U L 27	A U G 27	S E P 27	O C T 27	N O V 27	D E C 27	J A N 28	F E B 28	M A R 28	A P R 28	M A Y 28	J U N 28	J U L 28	A U G 28	S E P 28	O C T 28	N O V 28	D E C 28	J A N 29	F E B 29	M A R 29	A P R 29	M A Y 29	J U N 29	J U L 29	A U G 29	S E P 29	O C T 29	N O V 29	D E C 29	J A N 30	F E B 30	M A R 30	A P R 30	M A Y 30	J U N 30	J U L 30	A U G 30	S E P 30	O C T 30	N O V 30	D E C 30	J A N 31	F E B 31	M A R 31	A P R 31	M A Y 31	J U N 31	J U L 31	A U G 31	S E P 31	O C T 31	N O V 31	D E C 31	J A N 32	F E B 32	M A R 32	A P R 32	M A Y 32	J U N 32	J U L 32	A U G 32	S E P 32	O C T 32	N O V 32	D E C 32	J A N 33	F E B 33	M A R 33	A P R 33	M A Y 33	J U N 33	J U L 33	A U G 33	S E P 33	O C T 33	N O V 33	D E C 33	J A N 34	F E B 34	M A R 34	A P R 34	M A Y 34	J U N 34	J U L 34	A U G 34	S E P 34	O C T 34	N O V 34	D E C 34	J A N 35	F E B 35	M A R 35	A P R 35	M A Y 35	J U N 35	J U L 35	A U G 35	S E P 35	O C T 35	N O V 35	D E C 35	J A N 36	F E B 36	M A R 36	A P R 36	M A Y 36	J U N 36	J U L 36	A U G 36	S E P 36	O C T 36	N O V 36	D E C 36	J A N 37	F E B 37	M A R 37	A P R 37	M A Y 37	J U N 37	J U L 37	A U G 37	S E P 37	O C T 37	N O V 37	D E C 37	J A N 38	F E B 38	M A R 38	A P R 38	M A Y 38	J U N 38	J U L 38	A U G 38	S E P 38	O C T 38	N O V 38	D E C 38	J A N 39	F E B 39	M A R 39	A P R 39	M A Y 39	J U N 39	J U L 39	A U G 39	S E P 39	O C T 39	N O V 39	D E C 39	J A N 40	F E B 40	M A R 40	A P R 40	M A Y 40	J U N 40	J U L 40	A U G 40	S E P 40	O C T 40	N O V 40	D E C 40	J A N 41	F E B 41	M A R 41	A P R 41	M A Y 41	J U N 41	J U L 41	A U G 41	S E P 41	O C T 41	N O V 41	D E C 41	J A N 42	F E B 42	M A R 42	A P R 42	M A Y 42	J U N 42	J U L 42	A U G 42	S E P 42	O C T 42	N O V 42	D E C 42	J A N 43	F E B 43	M A R 43	A P R 43	M A Y 43	J U N 43	J U L 43	A U G 43	S E P 43	O C T 43	N O V 43	D E C 43	J A N 44	F E B 44	M A R 44	A P R 44	M A Y 44	J U N 44	J U L 44	A U G 44	S E P 44	O C T 44	N O V 44	D E C 44	J A N 45	F E B 45	M A R 45	A P R 45	M A Y 45	J U N 45	J U L 45	A U G 45	S E P 45	O C T 45	N O V 45	D E C 45	J A N 46	F E B 46	M A R 46	A P R 46	M A Y 46	J U N 46	J U L 46	A U G 46	S E P 46	O C T 46	N O V 46	D E C 46	J A N 47	F E B 47	M A R 47	A P R 47	M A Y 47	J U N 47	J U L 47	A U G 47	S E P 47	O C T 47	N O V 47	D E C 47	J A N 48	F E B 48	M A R 48	A P R 48	M A Y 48	J U N 48	J U L 48	A U G 48	S E P 48	O C T 48	N O V 48	D E C 48	J A N 49	F E B 49	M A R 49	A P R 49	M A Y 49	J U N 49	J U L 49	A U G 49	S E P 49	O C T 49	N O V 49	D E C 49	J A N 50	F E B 50	M A R 50	A P R 50	M A Y 50	J U N 50	J U L 50	A U G 50	S E P 50	O C T 50	N O V 50

SIMULATOR AND TRAINING DEVICE JUSTIFICATION										(\$ M)		DATE												
FY96 PRESIDENT'S BUDGET												6 Feb 95												
Appropriation/P-1 Line Item			Weapon System (If Applicable)			Equipment Nomenclature			PE															
3010/Joint Primary Aircraft			N/A						84740F															
Training System (JPATS)			BY1 (96)			BY2 (97)			BY2+1			BY2+2			BY2+3			BY2+4			Total *			
Fin Plan	Prior Yrs	CY (95)	0	0	0	0	0	5 **	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quantity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Proc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RDT&E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O&S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TRAINING SYSTEM DESCRIPTION</b>  Training will consist of a single primary phase (JPATS) and a dual advanced phase in either the T-1A or T-38 aircraft. The objective of both the Air Force and the Navy is to jointly acquire an integrated training system using similar hardware with like capabilities. Components of the system include simulators, curricula, contract logistic support and aircraft. This project represents the ground based training portion of the system.																								
* Total equals total of "Prior Yrs" through Completion. ** Quantity consists of 5 for RDT&E and 51 for Procurement.																								
P-1 Shopping List										Page No.										EXHIBIT P-43				
Item No.										1										Simulator & Training Device Justification				



SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 2)										(\$ M)		FY96 PRESIDENT'S BUDGET		DATE: 6 Feb 95		
Appropriation/ P-1 Line Item		Weapon System (If Applicable)		IOC Date		Equipment Nomenclature		PE		84740F		Budget Year1 (96)		Budget Year2 (97)		
3010/JPATs		N/A		May-01		Average Student Throughput		Prior Years		Current Year (95)		Qty		Cost		
Training Device		Site		Delivery Date		Ready for Training Date		Qty		Cost		Qty		Cost		
By Type												Qty		Cost		
OFT	Various							0	N/A				0	N/A	0	N/A
IFT	Various							0	N/A				0	N/A	0	N/A
CPT	Various							0	N/A				0	N/A	0	N/A
EGRESS	Various							0	N/A				0	N/A	0	N/A
EJECT	Various							0	N/A				0	N/A	0	N/A
TIMS	Various							0	N/A				0	N/A	0	N/A
TRNG AIDS	Various							0	N/A				0	N/A	0	N/A
P-1 Shopping List										Item No.		Page No.		EXHIBIT P-43		
										2						

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 3)										FY96 PRESIDENT'S BUDGET		DATE: 6 Feb 95	
Training Device by Type										(\$ M)		Weapon System (If Applicable)	
Operational Flight Trainers (OFT)													
Description/Justification													
Operational Flight Trainers (OFT) are simulators used to train pilots in operational use of all aircraft controls and instruments and includes out-of-window visual scenes.													
Financial Plan													
	Prior Years		Current Year (95)		Budget Year 1 (96)		Budget Year 2 (97)		Cost to Complete		Total Cost		
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	
HARDWARE COSTS													
Device (Hardware)	0	0	0	0	0	0	0	0	9	92.824	9	92.824	
ECO's										7.426		7.426	
Nonrecurring													
GFE													
Other(Specify)													
Total Hardware Costs		0		0		0		0		100.25		100.25	
SUPPORT COSTS													
Special SE													
Integrated Logistics Supt.													
Other(Specify)													
Total Support Costs		0		0		0		0		0		0	
Software/Courseware													
TOTAL COSTS		0		0		0		0		100.25		100.25	
										Page No. 3		EXHIBIT P-43	
										P-1 Shopping List Item No.			

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 4)										FY96 PRESIDENT'S BUDGET		DATE: 6 Feb 95	
Training Device by Type										(\$ M)		Weapon System (If Applicable)	
Instrument Flight Trainers (IFT)													
Description/Justification													
Instrument Flight Trainers (IFT) are simulators used to train pilots in instrument flight procedures including: ground operations, takeoff, landing, normal instrument flight, in-flight maneuvers, communication/navigation procedures and other subsystems.													
Financial Plan													
	Prior Years		Current Year (95)		Budget Year 1 (96)		Budget Year 2 (97)		Cost to Complete		Total Cost		
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	
HARDWARE COSTS													
Device (Hardware)	0	0	0	0	0	0	0	0	17	109,028	17	109,028	
ECO's										8,722		8,722	
Nonrecurring													
GFE													
Other(Specify)													
Total Hardware Costs		0		0		0		0		117.75		117.75	
SUPPORT COSTS													
Special SE													
Integrated Logistics Supt.													
Other(Specify)													
Total Support Costs		0		0		0		0		0		0	
Software/Courseware													
TOTAL COSTS		0		0		0		0		117.75		117.75	
										Page No. 4		EXHIBIT P-43	
										P-1 Shopping List Item No.			

## P-40 FOR ADVANCE PROCUREMENT

## BUDGET ITEM JUSTIFICATION SHEET

DATE 6-Feb-95

## APPROPRIATION/BUDGET ACTIVITY

AIRCRAFT PROCUREMENT/BA 03/TRAINER AIRCRAFT

P-1 ITEM NOMENCLATURE

T-1A TRAINING SYSTEM

	Prior Yrs	FY94	FY95	FY96	FY97	FY98	FY00	FY01	To Complete	Total
QUANTITY	113	35	32	0	0	0	0	0	0	180
COST (millions)	615	141.0	154.1	4.4	4.5					
INITIAL SPARES (millions)	9	11.9	31.1	42.4	0.4					
TOTAL (millions)	624.0	152.9	185.2	46.8	4.9					
UNIT COST (millions)	5.5	4.4	5.8	0.0	0.0					

## MISSION AND DESCRIPTION:

This program is the cornerstone in the Air Force's plan to return to Specialized Undergraduate Pilot Training (SUPT). The program is an integral part of the DOD 1989 Trainer Master Plan submitted to Congress in Feb 1989. The T-1A is a Beech 400T aircraft missionized with an avionics suite representative in task management and function of current and projected operational aircraft. The ground based training system is comprised of courseware, training media, and simulators. The program entered the production phase beginning with the initial contract award (Feb 90). Two of the five AETC bases were completed during FY93 (Reese AFB and Randolph AFB). Laughlin AFB was started in Nov 93 and completed in Dec 94 (FY95). All three bases are currently training and graduating students.

## FY95 PROGRAM JUSTIFICATION:

Procurement of the negotiated fifth and final program option for 32 aircraft was completed in Dec 94. This completes the planned 180 aircraft program requirement.

## FY96 PROGRAM JUSTIFICATION:

Enhanced training devices are required to support the AETC training system requirements study that identified additional devices to support SUPT.

EXHIBIT P-40

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P40.XLS

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)				A. Appropriation/Budget Activity Title/No. 3010/10TTS/84740F		B. Weapon Model/Series/ Popular Name T-1A TRAINING SYSTEM		C. Manufacturer Name Plant City/State location MCDONNELL DOUGLAS TRNG SYS, ST LOUIS, MO		D. Date Month/Year 6-Feb-95		
(\$ IN MILLIONS)				Ident. Code	FY94 Unit Cost	QTY: 35 Tot. Cost	FY95 Unit Cost	QTY: 32 Tot. Cost	FY96 Unit Cost	QTY: 0 Tot. Cost	FY97 Unit Cost	QTY: 0 Tot. Cost
Weapon System Cost Elements				A	4	137	4	132				
1. Airframes/CFE												
2. ENGINE/ACCESSORIES (Eng Model)												
3. AVIONICS												
A. CFE												
B. GFE												
4. ARMAMENT												
5. OTHER GFE												
6. ECO (All Flyaway Components)								6				
7. NON-RECURRING COSTS (Tooling)												
(Other)												
8. OTHER COSTS												
9. Subtotal FLYAWAY COST					4	137	4	138	0	0	0	0
10. AIRFRAME PGSE												
11. ENGINE PGSE												
12. AVIONICS PGSE												
13. PECULIAR TRAINING EQUIPMENT												
14. PUBLICATIONS/TECH. DATA				A		2						
15. ECO (All Support Items)				A		1						
16. OTHER				A		1						
17. Subtotal SUPPORT COST				A	0	4	0	16	0	0	0	0
18. GROSS P-1 END COST					4	141	4	154	0	0	0	0
19. LESS: PRIOR YR ADV. PROC (Breakout by Prior FY offunding)												
20. NET P-1 FULL FUNDING COST (Must equal FY amount displayed on the P-40 exhibit)				A			4	154	0	0	0	0
21. Plus Current Year ADV. PROC. Other Non P-1 Weapon System Costs												
22. Initial Spares												
23. Mods												
24. TOTAL					4	153	4	185	0	0	0	0

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)				A. DATE						
B. Appropriation/Budget Activity				C. P-1 Item Nomenclature						
3010/10TTTS				T-1A Training System						
Cost Elements Fiscal Year	Contractor and Location	Contract Method & Type	Contracted By	Award Date	Date of First Delivery	Quantity	Unit Cost	Specs Available Now	Specs REV REQ'D	If Yes, when Available
AIR VEHICLE FY94 FY95	MDTS, St Louis MO MDTS, St Louis MO	FPAF FPAF	AFMC/ASC AFMC/ASC	Dec-93 Dec-94	Jul-95 Jul-96	35 32	4 4	YES YES	NO NO	
PROPULSION	N/A									
REMARKS										
Propulsion Costs are included in the air vehicle price on this program.										







SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$000)										DATE	6-Feb-95
Appropriation/P-1 Line Item 3010		Weapon System(If Applicable) T-1A				Equipment Nomenclature				PE 84741F/84740F	
Fin Plan	Prior Years	FY95	FY96	FY97	FY98	FY99	FY00	FY01	Total		
Quantity	8	1	0	0					9		
Proc	75	7	4	2					86		
RDT&E	6	0	0	0					6		
O&S	10	9	11	12	13	13	13	14	95		
<b>TRAINING SYSTEM DESCRIPTION</b>  The T-1A (Tanker-Transport) Training System is required to implement Specialized Undergraduate Pilot Training. The Ground Based Training System (GBTS) portion will include compatible simulators, mock-ups, courseware, syllabus, and student management for training instrument approaches, crew coordination, asymmetric thrust situations, alldrop fundamentals, low-level navigation, airborne rendezvous, and cell formation.											
		P-1 Shopping List Item No.		Page No.		EXHIBIT P-43 Simulator & Training Device Justification					

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 2) (\$000)										DATE: 6 Feb-95		PE 84741F/84740F	
Appropriation/ P-1 Line Item		3010 Weapon System (If Applicable)		IOC Date		Equipment Nomenclature							
		T-1A Training System		Jan-93									
Training Device By Type		Site	Delivery Date	Ready for Training Date	Average Student Throughput	Prior Years Qty	Prior Years Cost	Current Year Qty	Current Year Cost	Budget Year1 Qty	Budget Year1 Cost	Budget Year2 Qty	Budget Year2 Cost
SIMULATOR Enhance Trng Dev	Various	8/92-7/96	FY97	966	8	75	1	7	4				2
	Various	TBD	TBD										
				P-1 Shopping List		Item No.		Page No. 2		EXHIBIT P-43			

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 3) (\$000)													
Training Device by Type					DATE: 6-Feb-95								
T-1A Training System					Weapon System (If Applicable)								
T-1A													
Description/Justification													
The T-1A Ground Based Training System Includes procuring and deploying the courseware and training media (Including 9 simulators) to support Specialized Undergraduate Pilot Training.													
Financial Plan		Prior Years		Current Year		Budget Year 1		Budget Year 2		Cost to Complete		Total Cost	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	
HARDWARE COSTS	8	75	1	7		4		2		0		824	
Device (Hardware)													
ECO's													
Nonrecurring													
GFE													
Other(Enhanced Trng Dev)													
Total Hardware Costs		75		7		4		2		0		86	
SUPPORT COSTS													
Special SE													
Integrated Logistics Supt.													
Other(Specify)													
Total Support Costs		0		0		0		0		0		0	
Software/Courseware													
TOTAL COSTS		75		7		4		2		0		86	
P-1 Shopping List Item No.					Page No. 3					EXHIBIT P-43			

# BUDGET ITEM JUSTIFICATION SHEET

DATE:  
6-Feb-95

## P-1 ITEM NOMENCLATURE

## APPROPRIATION/BUDGET ACTIVITY

AIRCRAFT PROCUREMENT, AF/BA04

DRUG  
INTERDICTION

	FY(PY)93	FY(PY)94	FY(CY)95	FY(BY)96	FY(BY)97	FY(BY2+1)98	FY(BY2+2)99	FY(BY2+3)00	FY(BY2+4)01	TO COMPLETE	TOTAL
QUANTITY											
COST (in Millions)	35.0	3.0									
Initial Spares (in M)											
Total (in Millions)	35.0	3.0									
Unit Cost (in M) *											

## MISSION AND DESCRIPTION:

Provides funds to acquire and modify aircraft to support CINCSOUTH "tracker" aircraft.

P-1 Shopping List  
Item No. 16

UNCLASSIFIED

P-40 FOR NET P-1 COST

BUDGET ITEM JUSTIFICATION SHEET											
DATE: 6-Feb-95											
P-1 ITEM NOMENCLATURE											
APPROPRIATION/BUDGET ACTIVITY											
AIRCRAFT PROCUREMENT, AF/BA04, OTHER AIRCRAFT											
Joint STARS											
QUANTITY	PRIOR YEARS	FY(PY)94	FY(CY)95	FY(BY)96	FY(BY)97	FY(BY2+1)98	FY(BY2+2)99	FY(BY2+3)00	FY(BY2+4)01	TO COMPLETE	TOTAL
	2	2	2	2	2	2	2	2	3	0	19.0
COST (in Millions)	699.4	555.2	654.7	491.8	506.3	473.2	465.4	440.3	408.8	70.9	4766.0
Initial Spares (in M)	59.8	3.5	33.0	64.5	79.6	80.8	71.3	73.5	75.7	0.0	541.7
Total (in Millions)	759.2	558.7	687.7	556.3	585.9	554.0	536.7	513.8	484.5	70.9	5307.7
Unit Cost (in M)*	267.0	217.0	240.0	218.0	214.0	215.0	225.0	202.0	175.0		1973.0

## MISSION AND DESCRIPTION:

The Joint Surveillance Target Attack Radar System (Joint STARS) is a Joint Army and AF Program, with the AF as the lead service. The Joint STARS system provides real-time surveillance of the battlefield and rear echelons. The system detects, identifies, and tracks enemy armor and vehicular traffic and provides their locations to AF and Army Commanders to assess intentions and manage primary segments (airborne and ground). Joint STARS is unique because it is a closed-loop system for real-time detection, tracking and attack of enemy ground moving targets, using moving target indicator and synthetic aperture radar techniques. Joint STARS integrates the accurate attack of enemy forces by providing position updates and precise enemy location in real-time to direct attack aircraft, friendly artillery and standoff missiles. The Army Corps Commander requires wide area surveillance information to understand enemy force buildups and scheme-of-maneuver, in order to apply effective and timely maneuver of forces, battlefield management, and targeting of artillery and rockets. There is no other system planned to provide real-time wide area surveillance of the Corps battlefield, closed-loop target detection and tracking and real-time attack targeting against first and second echelon armor. JSTARS provides a 2-5 day advanced look at enemy second echelon target detection, tracking and real-time targeting permits the direction of direct attack aircraft, artillery, and standoff missiles against moving ground targets in real-time, compared with current interdiction missions which are performed on a preplanned basis.

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. Appropriation/Budget Activity Title/No.		B. Popular Name		C. Manufacturer		D. Date	
	AIRCRAFT PROCUREMENT AF/BAO4/OTHER AIRCRAFT		Joint STARS		Grumman Aerospace Corporation Melbourne Systems Division Melbourne, FL		8-Feb-85	
	FY84	QTY	FY85	QTY	FY86	QTY	FY87	QTY
	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1. AIRFRAME	108.0	212.0	127.7	255.3	101.8	203.3	95.8	191.1
2. AVIONICS: CFE	70.4	140.8	74.3	148.5	75.5	151.0	84.2	168.3
3. AVIONICS: GFE	3.2	6.3	3.2	6.3	2.8	5.8	2.7	5.4
4. ARMAMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. OTHER GFE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6. ECO (ALL FLYAWAY COMPONENTS)	10.4	20.8	0.0	0.0	4.0	8.0	0.9	1.8
7. NON-RECURRING COSTS	0.0	0.0	0.0	0.0	3.7	7.4	0.0	0.0
7. OTHER COSTS	27.4	54.7	35.8	71.3	30.8	61.2	31.3	62.5
8. FLYAWAY COSTS	217.2	434.5	240.8	481.5	218.3	436.6	214.6	429.1
9. AIRFRAME PGSE								
10. ENGINE PGSE								
11. AVIONICS PGSE		6.3		7.3		13.4		6.9
12. PECULIAR TRAINING EQUIPMENT		5.8		42.5		26.2		29.0
13. PUBLICATIONS/TECH. DATA		50.7		3.7		25.5		8.9
14. ECO (ALL SUPPORT ITEMS)		2.8		36.2		34.7		41.3
15. OTHER								
16. SUPPORT COST		85.5		89.6		99.7		86.2
17. GROSS P-1 COST	217.2	500.0	240.8	571.1	218.3	536.3	214.5	515.3
18. LESS: PRIOR YR ADV. PROC.		-78.3		-123.7		-141.7		-120.0
19. NET P-1 COST	217.2	421.7	240.8	437.5	218.3	394.6	214.5	395.2
20. PLUS: CURRENT YR ADV. PROC.								
21. PLUS: INITIAL SPARES		133.8		218.8		97.1		111.1
22. PLUS: MODIFICATION COSTS		3.5		33.0		64.5		79.8
23. TOTAL	217.2	558.7	240.8	887.8	218.3	558.3	214.5	585.9

NOTE:  
FY85 Unit Costs include P6 rewiring which must be done to correct non-standard configuration wiring.

EXHIBIT P-5

UNCLASSIFIED

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)										A. DATE
B. APPROPRIATION/BUDGET ACTIVITY										6-Feb-95
AIRCRAFT PROCUREMENT, AF/BA04/OTHER AIRCRAFT										C. P-1 ITEM NOMENCLATURE
Joint STARS										
COST ELEMENT/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
AIRFRAME										
FY94	GRUMMAN/MELBOURNE, FL	SSM-4/FP	ESC/JS-5	JUL 94	FY96	2	217.2	YES	YES	ONGOING
FY95	GRUMMAN/MELBOURNE, FL	SSM-4/FP	ESC/JS-5	JUN 95	FY97	2	240.8	YES	YES	ONGOING
FY96	GRUMMAN/MELBOURNE, FL	SS/FP	ESC/JS-5	JUN 96	FY98	2	218.3	YES	YES	ONGOING
FY97	GRUMMAN/MELBOURNE, FL	SS/FP	ESC/JS-5	JUN 97	FY99	2	214.5	YES	YES	ONGOING
SUPPORT										
FY94	GRUMMAN/MELBOURNE, FL	SSM-4/FP	ESC/JS-5	Nov-93	"	N/A	N/A	YES	YES	ONGOING
FY95	GRUMMAN/MELBOURNE, FL	SSM-4/FP	ESC/JS-5	Nov-94	"	N/A	N/A	YES	YES	ONGOING
FY96	GRUMMAN/MELBOURNE, FL	SS/FP	ESC/JS-5	Nov-95	"	N/A	N/A	YES	YES	ONGOING
FY97	GRUMMAN/MELBOURNE, FL	SS/FP	ESC/JS-5	Nov-96	"	N/A	N/A	YES	YES	ONGOING

NOTE: FIRST 6 AIRCRAFT WILL BE ON A LOW RATE INITIAL PRODUCTION (LRIP) CONTRACT.

\* Support Cost consist of items such as PSE, CSE, Training. Date of first delivery will be lead time to support A/C delivery schedule

FY95 Unit Costs include P8 rewiring which must be done to correct non-standard configuration wiring.

P-1 Shopping List

UNCLASSIFIED

P-5A EXHIBIT

# P-6: Acquisition Logistics and Operations & Support Funding for Selected Weapon Systems

As Of: 6 Feb 1995

Prior FY93 FY94 FY95 FY96 FY97 FY98 FY99 FY00 FY01

<b>A: General Program Data</b>										
Procurement Quantity			2	2	2	2	2	2	2	3
Cumulative Operating Inventory						3	5	7	9	14
No. Operating Units						3	2	2	2	2
OPTEMPO (Flying hours or Miles/Month):						1410	4230	6486	8742	12126
Readiness Objective: Sortie Generation Rate (S)										
FCA/PCA Audit Dates										
Provisioning Date: RAA										
First Unit Equipped Date: IOC										
Intermediate Level Stand-up Date: N/A										
Depot Level Stand-up Date:										
(Combination of organic/ICS; H/W-ICS ends 98;S/W-ICS ends 00)										

<b>B: Acquisition Logistics Resources</b>										
Initial Spares (Stock & Non Stock fund)		11.9	47.9	3.5	33.0	64.5	79.6	80.8	71.3	73.5
War Reserve Spares (WRSK) INCL W/SPARES										
A/C RSP Nonstock fund					1.6	6.6	14.2	18.1	19.4	14.4
PME RSP (Stock fund)				2.0	6.3	39.1	55.9	56.5	52.1	64.6
Stock Fund			1.6	2.0	1.4	10.0	10.6	3.2	2.2	2.4
Organizational Level CSE (Procurement)										
Organizational Level PSE										
Development				1.8	0.5					
Procurement			5.3			0.3	0.4	1.9	1.0	0.2
Intermediate Level CSE	N/A									
Intermediate Level PSE	N/A									
Depot Level Support Equipment/Support Services										
Computer Resource Support (DMSC, MSSF, SSF, IV&V, ICS S/W)										
Development			1.1	0.0		24.7	64.1	36.0	4.4	
Procurement			9.0			14.0	40.4	11.9	13.3	6.8
PSE										
Procurement						1.6	1.7			
CSE										
Procurement						1.2	2.6	0.6	0.7	
Technical Data/Manuals										
Development (JMIS Development)		5.0	6.5	3.7	2.3	2.3	1.7	1.8		
Procurement (JMIS, JMIS Data, Depot TO Spt)			39.7	44.6		22.8	6.0	4.4	4.5	5.6
Training Services & Training Equipment (Crew & Maint)										
Mission Crew Training Capability (MCTC)										
Development				45.6	24.5	21.9	31.7	26.1		
Procurement			9.0				26.2			
Maint Trainers/IVD										
Development			0.2	4.0	8.8	4.1	5.5			
Procurement					6.5	1.3				
Flight Crew Trainers										
Development		0.2	0.1	5.6	2.9	1.9	0.3			
Type I Training										
Development		2.5	0.7	0.4	1.8	0.7				
MILCON	N/A									
ICS										
Hardware (Procurement)					34.2	8.9	13.9	15.1	16.2	9.6

90

<b>C: Operating and Support</b>										
Manpower (Numbers and Dollars)										
Military			147/9.1	176/13.5	329/25.9	338/27.4	376/31.4	433/37.3	485/43.0	485/44.3
Officer			68/2.1	136/4.5	476/16.3	796/22.9	796/29.0	117/41.9	1369/52.9	1369/54.5
Enlisted			241/5.3	290/11.8	372/15.6	417/18.0	424/18.9	427/19.6	436/20.6	436/21.2
Civilian										

UNCLASSIFIED



UNCLASSIFIED

**P-6: Acquisition Logistics and Operations & Support Funding for Selected Weapon Systems**

As Of: 6 Feb 1995

	Prior	FY93	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01
Fuel					1.9	5.4	7.8	10.8	17.6	26.7
Replenishment Spares (Consumables/Repairables)	NOT ESTIMATED SEPERATELY									
Depot Maintenance (A/C CLS)			0.3	4.4	10.3	16.4	20.9	26.7	31.2	35.0
Sustaining Engineering Support (CONTRACTED SPT)					1.8	1.8	1.9	1.9	2.0	2.0
Interim Logistics Support (ICS)										





[illegible]

94

BUDGET ITEM JUSTIFICATION SHEET											
DATE: 8 Feb 1995											
P-1 ITEM NOMENCLATURE											
APPROPRIATION/BUDGET ACTIVITY											
AIRCRAFT PROCUREMENT (ADV BUY) , AF/BA04, OTHER AIRCRAFT											
Joint STARS											
	PRIOR YEARS	FY(PY)94	FY(CY)95	FY(BY)96	FY(BY2)97	FY(BY2+1)98	FY(BY2+2)99	FY(BY2+3)00	FY(BY2+4)01	TO COMPLETE	TOTAL
QUANTITY	4	2	2	2	2	2	2	3	0	0	19.0
COST (in Millions)	203.7	133.6	218.8	97.1	111.1	102.4	103.0	125.4	0.0	0.0	1093.7
Initial Spares (in M)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total (in Millions)	203.7	133.6	218.8	97.1	111.1	102.4	103.0	125.4	0.0	0.0	1093.7
Unit Cost (in M)*											

MISSION AND DESCRIPTION:  
The advanced buy funding identified is for long lead procurement of those items detailed on the P-10. It supports the LRIP effort required to meet the IOC of FY97

P-1 Shopping List  
Item No. 18  
Item No. 19

WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT (P-10a) (COMPARISON OF REQUEST TO EXECUTION) (TOA, DOLLARS IN THOUSAND)						PRIOR YEAR FOR FISCAL YEAR PROGRAM: FY 1994 for FY 1995		
						Date	6 Feb 1995	
Advance Procurement/Advance Funding Items	Quantity	Date Contract Award Planned/Required	Delivery Date of First Equipment Required	Production Lead Time in Months (Admin/Prod) - Total	Unit Cost	Total Cost		
Radar Subsystem	2	10-May-94	FY97	(5/12) 17	12.0	24.0		
Airframe	2	10-May-94	FY97	(5/12) 17	9.6	19.2		
Refurb	2	10-May-94	FY97	(5/12) 17	17.2	34.4		
Modification	2	10-May-94	FY97	(5/12) 17	18.9	37.8		
Grp A	2	10-May-94	FY97	(5/12) 17	1.7	3.4		
Lot Management	2	10-May-94	FY97	(5/12) 17	7.4	14.8		
SUBTOTAL					66.8	133.6		
EOQ (MYP)								
SUBTOTAL					0.0	0.0		
TOTAL					66.8	133.6		

**NARRATIVE DESCRIPTION:**  
 Joint STARS is baselined on a used Boeing 707-338C series aircraft. Of the twenty-one -338's built, there is one remaining -338 available and suitable for Joint STARS use. There are approximately two hundred other 707-300 series aircraft being utilized in worldwide commercial aviation. The condition of these aircraft vary widely. Use of other than -338 series aircraft will increase Non-Recurring Engineering costs due to wiring configuration differences in suitable candidate aircraft.

WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT (P-10a) (PROCUREMENT OF ADVANCE DESIGN AND MATERIAL) UNCLASSIFIED (TOA, DOLLARS IN THOUSAND)					CURRENT YEAR FOR FISCAL YEAR PROGRAM: FY 1995 for FY 1996		
Advance Procurement/Advance Funding Items					Date	6 Feb 1995	
	Quantity	Date Contract Award Planned/Required	Delivery Date of First Equipment Required	Production Lead Time in Months (Admin/Prod) - Total	Unit Cost	Total Cost	
Radar Subsystem							
Airframe FY1995 for FY1996	2	3QTR FY95	FY98	(5/12) 17	14.6	29.1	
FY1995 for FY1997						22.8	
FY1995 for FY1998						22.9	
FY1995 for FY1999						24.6	
Total Airframe	12	3QTR FY95	FY98	(5/12) 17	8.3	29.6	99.9
Refurb	2	3QTR FY95	FY98	(5/12) 17	13.6	27.2	
Modification	2	3QTR FY95	FY98	(5/12) 17	20.3	40.6	
Grp A	2	3QTR FY95	FY98	(5/12) 17	1.8	3.6	
Lot Management	2	3QTR FY95	FY98	(5/12) 17	8.5	16.9	
SUBTOTAL					67.0	217.3	
SUBTOTAL					0.0	0.0	
TOTAL					67.0	217.3	

**NARRATIVE DESCRIPTION:**

Joint STARS is baselined on a used Boeing 707-338C series aircraft. Of the twenty-one -338's built, there is one remaining -338 available and suitable for Joint STARS use. There are approximately two hundred other 707-300 series aircraft being utilized in worldwide commercial aviation. The condition of these aircraft vary widely. Use of other than -338 series aircraft will increase Non-Recurring Engineering costs due to wiring configuration differences in suitable candidate aircraft.

**Note:**

FY95 Appropriations Bill increased JSTARS advance procurement by \$99.9 million to buy out airframes.

These dollars are shown above under the Airframe line as a debit to the FY95 line and credits to the FY96 through FY99 advance procurement line.

WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT (P-10) (PROCUREMENT OF ADVANCE DESIGN AND MATERIAL) (TOA, DOLLARS IN THOUSAND)					BUDGET YEAR 1 FOR FISCAL YEAR PROGRAM: FY 1996 for FY 1997 6 Feb 95			
UNCLASSIFIED					Date	Production Lead Time in Months (Admin/Prod) - Total	Unit Cost	Total Cost
Advance Procurement/Advance Funding Items	Quantity	Date Contract Award Planned/Required	Delivery Date of First Equipment Required					
Radar Subsystem	2	3QTR FY96	FY99		(5/12) 17	12.3	24.5	
Airframe	0	3QTR FY96	FY99		(5/12) 17	13.6	27.1	
Refurb	2	3QTR FY96	FY99		(5/12) 17	13.3	26.6	
Modification	2	3QTR FY96	FY99		(5/12) 17	1.6	3.2	
Grp A	2	3QTR FY96	FY99		(5/12) 17	7.9	15.7	
Lot Management	2	3QTR FY96	FY99			48.6	97.1	
SUBTOTAL								
EOQ (MYP)						0.0	0.0	
SUBTOTAL						48.6	97.1	
TOTAL								

**NARRATIVE DESCRIPTION:**  
Joint STARS is baselined on a used Boeing 707-338C series aircraft. Of the twenty-one -338's built, there is one remaining -338 available and suitable for Joint STARS use. There are approximately two hundred other 707-300 series aircraft being utilized in worldwide commercial aviation. The condition of these aircraft vary widely. Use of other than -338 series aircraft will increase Non-Recurring Engineering costs due to wiring configuration differences in suitable candidate aircraft.

**Note:**  
FY95 Appropriations Bill increased JSTARS advance procurement by \$99.9 million to buy out airframes. These dollars are shown on the P-10 for FY95 under the Airframe line as credits to the FY96 through FY99 advance procurement line.

**NARRATIVE DESCRIPTION:**  
Joint STARS is baselined on a used Boeing 707-338C series aircraft. Of the twenty-one -338's built, there is one remaining -338 available and suitable for Joint STARS use. There are approximately two hundred other 707-300 series aircraft being utilized in worldwide commercial aviation. The condition of these aircraft vary widely. Use of other than -338 series aircraft will increase Non-Recurring Engineering costs due to wiring configuration differences in suitable candidate aircraft.

**Note:**  
FY95 Appropriations Bill increased JSTARS advance procurement by \$99.9 million to buy out airframes. These dollars are shown on the P-10 for FY95 under the Airframe line as credits to the FY96 through FY99 advance procurement line.

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WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT (P-10) (COMPARISON OF REQUEST TO EXECUTION) (TOA, DOLLARS IN THOUSAND)					BUDGET YEAR 2 FOR FISCAL YEAR PROGRAM: FY 1997 for FY 1998		
					Date	6 Feb 95	
Advance Procurement/Advance Funding Items	Quantity	Date Contract Award Planned/Required	Delivery Date of First Equipment Required	Production Lead Time in Months (Admin/Prod) - Total	Unit Cost	Total Cost	
Radar Subsystem	2	1QTR FY97	FY00	(5/12) 17	15.5	31.0	
Airframe	0	1QTR FY97	FY00	(5/12) 17	15.5	31.0	
Refurb	2	1QTR FY97	FY00	(5/12) 17	15.2	30.3	
Modification	2	1QTR FY97	FY00	(5/12) 17	1.6	3.2	
Grp A	2	1QTR FY97	FY00	(5/12) 17	7.8	15.6	
Lot Management	2	1QTR FY97		(5/12) 17	55.6	111.1	
SUBTOTAL							
EOQ (MYP)							
SUBTOTAL					0.0	0.0	
TOTAL					55.6	111.1	

## NARRATIVE DESCRIPTION:

Joint STARS is baselined on a used Boeing 707-338C series aircraft. Of the twenty-one -338's built, there is one remaining -338 available and suitable for Joint STARS use. There are approximately two hundred other 707-300 series aircraft being utilized in worldwide commercial aviation. The condition of these aircraft vary widely. Use of other than -338 series aircraft will increase Non-Recurring Engineering costs due to wiring configuration differences in suitable candidate aircraft.

## Note:

FY95 Appropriations Bill increased JSTARS advance procurement by \$99.9 million to buy out airframes. These dollars are shown on the P-10 for FY95 under the Airframe line as credits to the FY96 through FY99 advance procurement line.

UNCLASSIFIED

## SIMULATOR AND TRAINING DEVICE JUSTIFICATION SHEET

PE  
27581F  
64770F

APPROPRIATION/P-1 Line Item

3600/3010/3400

Equipment Nomenclature

Joint STARS

FY(BY2+3)00

Fin Plan	Prior Years	Current (FY)95	FY(BY1)96	FY(BY2)97	FY(BY2+1)98	FY(BY2+2)99	FY(BY2+3)00	FY(BY2+4)01	Total
Quantity		1	1	1					3
Procurement	9.0	6.5	1.3	26.2	0.0	0.0	0.0	0.0	43.0
RDT&E	59.3	37.9	28.5	37.1	26.1	0.0	0.0	0.0	188.9
O&S	0.0	0.0	9.0	13.9	17.5	18.5	23.1	26.6	108.6

## TRAINING SYSTEM DESCRIPTION:

Procurement includes the Maintenance Trainers, Interactive Video Diskettes (IVD), and Mission Crew Training Capability (MCTC). RDT&E includes MCTC Maintenance Trainers, and MOT&E Training. O&S includes CLS for MCTC, Flight Crew Training, and Maintenance Trainers.

The Interactive Video Diskettes (IVD) is courseware primarily intended to be used on a self-initiated basis by workcenter technicians. The typical IVD consists of a microcomputer, optical laserdisc, monitor, keyboard, light pen, printer, courseware, and modem.

The MCTC will furnish ACC with the training equipment and services required to effectively train the Joint STARS mission crews to perform their operations consists largely of Prime Mission Equipment and commercially available hardware with a software development effort.

The Flight Crew Training System (FCTS) is a KC-135 motion base with PAN-AM Flight Simulator which will be acquired and converted to a FAA Level C V for safety of flight training. The Maintenance Trainer includes the Prime Mission Equipment Maintenance Training Sets (PME MTS) and Aircraft Maintenance.

The PME MTS is a low fidelity representation of the airborne system. The PME MTS provides initial skills training.

The AMT will provide familiarization training for former AWACS personnel.

Exhibit P-43, Page 1 of 1  
Simulator & Trng Device Justification

Page No.

P-1 Shopping List

Item No.

Exhibit 43

SIMULATOR AND TRAINING DEVICE JUSTIFICATION SHEET (\$ IN MILLIONS)										
Date: 9-Jan-95										
Weapon System (If Applicable) Joint STARS										
Training Device by Type: Mission Crew Training Capability										
Description/Justification										
Financial Plan	FY 94		FY 95		FY 96		FY 97		TOTAL	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
HARDWARE COSTS										
Device (Hardware)							1	19.3	1	19.3
ECOs									0	0.0
Non-Recurring									0	0.0
GFE									0	0.0
Other (Specify)								6.9	0	6.9
TOTAL HARDWARE	0	0.0	0	0.0	0	0.0	1	26.2	1	26.2
SUPPORT COSTS										
Special SE									0	0.0
Integrated Logistics Support									0	0.0
Other (SE/PM, Test, Data)									0	0.0
TOTAL SUPPORT COSTS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Software/Courseware										
TOTAL COSTS	0	0.0	0	0.0	0	0.0	1	26.2	1	26.2
			P-1 SHOPPING LIST ITEM NO.			PAGE NO.			EXHIBIT P-43, PAGE 2 OF 2	

BUDGET ITEM JUSTIFICATION SHEET

DATE:  
6-Feb-95

APPROPRIATION/BUDGET ACTIVITY

AIRCRAFT PROCUREMENT, AF/BA04

P-1 ITEM NOMENCLATURE

SOF A/C COMMON SUPPORT EQUIPMENT

	FY(PY)93	FY(PY)94	FY(CY)95	FY(BY)1996	FY(BY)2/97	FY(BY2 + 1)98	FY(BY2 + 2)99	FY(BY2 + 3)00	FY(BY2 + 4)01	TO COMPLETE	TOTAL
QUANTITY											
COST (in Millions)		18.7									
Initial Spares (in M)											
Total (in Millions)		18.7									
Unit Cost (in M) *											

MISSION AND DESCRIPTION:

Funding supports acquisition of Common Support Equipment for USSOCOM.

BUDGET ITEM JUSTIFICATION SHEET							DATE: JANUARY 1995	
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT AF (3010)/BA06			P-1 ITEM NOMENCLATURE					
	1994	1995	1996	1997	1998	1999	2000	2001
QUANTITY								
COST (MILLION)	\$415.7	\$485.5	\$603.6	\$748.6	\$877.5	\$745.4	\$715.5	\$733.3
MISSION AND DESCRIPTION								

Program Definition: Aircraft Replenishment Spares (Budget Program 150000):

This program finances AFSF exempt investment spares and repair parts needed to provide spares support for all aircraft and support equipment. Investment items are distinguished from expendable items in that investment items are subject to depot repair (XD items) and are not discarded until depot repair is no longer economical. The requirement is based on an item specific failure/demand driven computation that supports the flying hour program leadtime away. The average leadtime is three years. Example items include landing gear struts, fire control computers, inertial navigation units, and engine turbine wheels.

The only replenishment spares funds remaining in this central procurement account are for spares items which cannot be managed by the Standard Base Supply System (SBSS) and thus are exempt from the stock fund concept. These exceptions fall into three categories. The first group is munitions code/managed items such as cartridge actuated or propellant actuated devices (CAD/PAD) items for aircraft ejection systems. The second and third categories are non-stocklisted items which support classified and contractor logistics support (CLS) systems.

Program Definition: Aircraft Initial Spares (Budget Program 160000):

This program finances whole spare engines and modules and repairable investment items including some items being newly introduced to the Air Force Inventory. Beginning in FY94, Most initial spares are procured through the AFSMBA (DBOF). As the funds are expended, the AFSMBA (DBOF) will be reimbursed by this central procurement account as the funds actually outlay. The effect of this change was a shift of funds to the right which may give the appearance of ramping requirements. However, it is important to note that this means that the funds budgeted in FY95 and FY96 for example largely represent the payments for obligations already incurred by the DBOF but is really a shift in financing strategy. Initial spares are funded in the four program segments described on the attached page.

# AIRCRAFT PROCUREMENT, AF (3010)/BA06 (Continued)

## Initial Weapon System Spares. (Budget Program 161000)

This program finances whole spare engines and engine modules, aircraft spares, and peculiar ground support equipment spares to support initial operations of new aircraft.

## Common Ground Support Equipment (GSE) Spares. (163000)

This program finances spares required to support new or replacement aircraft common support equipment.

## Aircraft Modification Spares. (Budget Program 164000)

This program finances new spare parts needed during the initial operation of modified airborne systems.

## Other Production Spares. (Budget Program 169000)

This program finances spare parts introduced to the inventory for the first time in support of other production charges - BP1900 (e.g. spares for electronic countermeasure pods and special classified systems).

## FY96 Program Justification:

The FY96 total aircraft spares request increased primarily due to the C-130, B-2, JSTARS, C-17 and modification of various weapon systems.

	Funding Summary:					
	1994	1995	1996	1997	1998	1999
REPLENISHMENT SPARES	147522	173487	137201	149944	161633	164005
INITIAL SPARES						
INITIAL WEAPON SYS SPARES	231364	193408	325100	368627	449285	336112
COMMON GSE SPARES	9044	6509	10128	11551	11615	12133
MODIFICATION SPARES	20548	98658	119926	190379	226563	205053
OTHER PRODUCTION SPARES	7213	13432	11264	28129	28395	28111
TOTAL INITIAL SPARES	268169	312007	466418	598686	715858	581409
TOTAL SPARES & REPAIR PARTS	415691	485494	603619	748630	877491	745414
						715457
						733297





INITIAL SPARES FUNDING APPROPRIATION, BUDGET ACTIVITY							DATE JAN 1995
P-1 LINE	END ITEM NOMENCLATURE	FY 1994	FY 1995	FY 1996	FY 1997		
	F-16	1151	7796	6452	6895		
	F-15E	4545					
	C-130	1114	15790	31241	34220		
	E-8	3479	33023	64490	79602		
	C-17	29569	102800	117500	83900		
	B-2	177506	2237	59115	122188		
	H-60	523	619	3890	2987		
	NEW ATC AIRCRAFT	13477	31143	42412	385		
	F-22				38450		
	SUPPORT EQUIPMENT SPARES	9044	6509	10128	11551		
	MODIFICATION SPARES	20548	98658	119926	190379		
	OTHER PRODUCTION SPARES	7213	13432	11264	28129		
	TOTAL INITIAL SPARES	268169	312007	466418	598686		



REPLENISHMENT SPARES FUNDING SUMMARY APPROPRIATION, BUDGET ACTIVITY							DATE JAN 1995
P-I LINE	END ITEM NOMENCLATURE	FY 1994	FY 1995	FY 1996	FY 1997		
	<b>CLS SYSTEMS/TRAINERS SPARES:</b>						
	KC-10A	13101	13629	14084	14390		
	TAC SYSTEMS/SIMULATORS	693	650	612	604		
	SPECIAL MISSION AIRCRAFT	15203	15449	7783	7796		
	OPS SUPPORT AIRCRAFT	2241	2331	2404	2455		
	NAVIGATION TRAINERS	809	791	817	832		
	NEACP OPERATIONS		8701	4380	4475		
	F-117	6436	10876	16556	23909		
	CSTOL	1032	1073	1109	1132		
	TOTAL CLS REPLEN SPARES	39515	53500	47745	55593		

REPLENISHMENT SPARES FUNDING SUMMARY APPROPRIATION, BUDGET ACTIVITY						DATE JAN 1995
P-1 LINE	END ITEM NOMENCLATURE	FY 1994	FY 1995	FY 1996	FY 1997	
	CLASSIFIED SYSTEM SPARES:					
	COMPASS CALL (RIVET FIRE)	14093	8469	8158	5626	
	TACCS (RIVET RIDER)					
	SPECIAL RECON (PACER COIN)					
	TACCRYPTO (RIVET JOINT/CENTCOM)	82062				
	TECH COLLECTION (COBRA BALL)					
	CENTCOM	1497	1551	1598	1626	
	B-2 SQUADRONS	576	1833	5792	7722	
	DARO		87073	55136	58654	
	OTHER CLASSIFIED PROGRAMS			3136	3489	
	TOTAL CLASS REPLEN SPARES	98228	98926	73820	77117	

REPLENISHMENT SPARES FUNDING SUMMARY APPROPRIATION, BUDGET ACTIVITY						DATE JAN 1995
P-1 LINE	END ITEM NOMENCLATURE	FY 1994	FY 1995	FY 1996	FY 1997	
	MUNITIONS CODE ITEMS SPARES:					
	B-1B					
	B-52					
	F-15					
	F-16					
	MH-60			1100	1100	
	KC-135			1000	1100	
	C-130		2554			
	OTHER ACFT/COMMON	9779	18507	13536	15034	
	TOTAL MUNITIONS REPLEN SPARES	9779	21061	15636	17234	

PROGRAM COST BREAKDOWN										DATE JANUARY 1995		
APPROPRIATION/BUDGET ACTIVITY Aircraft Procurement, AF (3010)/BA06				Aircraft Spares and Repair Parts								
ELEMENT OF COST				IDENT CODE	FY94		FY95		FY96		FY97	
					QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
REPLENISHMENT SPARES Budget Program 15						147522		173487		137201		149944
INITIAL SPARES Budget Program 16						268169		312007		466418		598686
TOTAL						415691		485494		603619		748630

**UNCLASSIFIED**

**FY 96/97 PRESIDENT'S BUDGET (PB)  
BP12 COMMON SUPPORT EQUIPMENT  
FEBRUARY 1995**

**UNCLASSIFIED**

UNCLASSIFIED

FEBRUARY 1995

**FY 96/97 PRESIDENT'S BUDGET  
BUDGET ACTIVITY 07  
(BP 12) COMMON SUPPORT EQUIPMENT (CSE) (DOLLARS IN MILLIONS)**

	NOUN	NSN	FY96		FY97	
			QTY	AMOUNT	QTY	AMOUNT
1	Self Generating Nitrogen System	3655-01-347-9055	95	5.040	310	16.942
2	Air Conditioner, MA-3D	4120-00-998-6673	287	13.870		
3	Air Conditioner, PD501 Diesel	4120-01-167-5470	40	8.508		
4	Compressor, Gas Turbine A/M32A-95	2835-01-390-1807YZ	132	17.914	240	30.647
5	F-15 Downsize Tester	4920-01-355-4478DQ	5	9.076	12	18.311
6	F-16 Improved Avionics Intermediate Shop	4920-01-339-9212WF	8	48.000	8	48.000
7	Avionics Integrated Support Facilities (AISF)		N/A	7.860	N/A	11.000
8	Maintenance Platform, High Reach	1730-01-249-0097	9	4.345		
9	C-5 Empennage Stand	1730-00-158-3039	3	2.471		
10	Pacer Comet III	4920-01-179-5108DQ	2	2.206	2	2.206
11	Compass Calibrator	4920-01-328-3419NT	72	6.049	64	5.539
12	Oxygen Regulator Tester	4920-01-321-1839	269	5.113		
13	Purge Unit	3655-00-429-2896	296	3.425		
14	Hydraulic Pumping Unit, AF/M27M-1	4320-00-914-1120YZ	186	4.580		
15	Hydraulic Test Stand, Electric	4920-01-380-4744	2	0.441	37	1.813
16	Hydraulic Test Stand, Diesel	4920-01-380-7460	2	0.639	20	0.980
17	Test Stand, Hydraulic Component	4920-00-450-0553	2	0.720		
18	Ultrasonic Flaw Detector	6635-01-363-6674	144	2.435	134	2.337
19	Interim Contractor Support (ICS)			2.280		1.782
	Subtotal			144.972		139.557
20	Items Less Than \$2M			35.357		38.310
	Subtotal			180.329		177.867
	Simulators			35.719		14.003
	<b>BP 12 Common Support Equipment Total</b>			<b>216.048</b>		<b>191.870</b>

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# UNCLASSIFIED

UNCLASSIFIED										DATE FEBRUARY 1995	
BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)											
BUDGET PROGRAM 1200 OVERVIEW											
APPROPRIATION/BUDGET ACTIVITY											
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT											
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001			
QUANTITY											
COST (In Mil)	\$190.496	\$226.259	\$216.048	\$191.870	\$227.996	\$216.467	\$243.400	\$255.563			

A. DESCRIPTION/FUNCTION: This program procures replacement organizational and intermediate (common and peculiar) support equipment for out-of-production aircraft. These items, common (used on more than one weapon system) and peculiar (unique to one weapon system), are used in direct support of aircraft maintenance and servicing requirements. These replacement requirements ensure continuation of serviceable, supportable equipment over the life of a weapon system. This program also funds simulators for out-of-production aircraft.

B. PURPOSE OF PROCUREMENT: Items being replaced range in age from 10 to 30 years old, have frequent failures, spare parts which are no longer available or not economical to repair. Many items are technologically obsolete or are being replaced due to environmental operating constraints.

C. APPLICATION: All Air Force maintained aircraft weapons systems requiring replacement equipment.

D. REQUIREMENTS: Justifications are for fiscal years 1996 and 1997. Items of equipment budgeted include: avionics test stations, air conditioners, munitions handling equipment, jet engine test stands, electronic test sets, noise suppressors, fuel servicing carts, generators, maintenance platforms and automatic test equipment.

# UNCLASSIFIED

UNCLASSIFIED										DATE FEBRUARY 1995	
BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)											
P-1 ITEM NOMENCLATURE				Self-Generating Nitrogen System (SGNS) NSN: 3655-01-347-9055							
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT											
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001			
QUANTITY	0	315	95	310	300	360	204	0			
COST (In Mil)	\$0.000	\$16.288	\$5.040	\$16.942	\$16.875	20.862	\$12.178	\$0.000			
Total cost of oil tolerant 99.5 percent											

A. DESCRIPTION/FUNCTION: The SGNS is a small, lightweight, portable, self-generating cart capable of producing self-generated oil-tolerant, 99.5 percent pure, 96 percent moisture free, gaseous nitrogen at 4000 pounds per square inch (PSI) at a rate of not less than 9 standard cubic feet per minute. The SGNS incorporates the hollow fiber membrane or air separator technology. The membrane or air separator produces gaseous nitrogen from compressed ambient air by permeating the fast gases (water vapor, oxygen, carbon dioxide, etc.) back to the atmosphere and allowing the inert gases (primarily nitrogen with small traces of argon, neon and helium) to pass through the hollow fibers for collection and use. The SGNS's engine is capable of operating on multiple fuels, with JP-8 as primary fuel and can operate continuously for five hours. This system is mounted on a four wheeled trailer for easy positioning by maintenance personnel and designed for efficient roll on/roll off loading and is transportable on military transport aircraft.

B. PURPOSE OF PROCUREMENT: FY95 funding begins a procurement program that will replace three unreliable and outdated systems: the liquid nitrogen servicing unit (LN-2), the six and eight bottle nitrogen servicing carts and an air compressor. This system is reliable, easily maintainable, rapidly deployable and capable of supporting aircraft at forward operating locations under bare base conditions. The SGNS eliminates the necessity to procure, ship and store liquid nitrogen or nitrogen gas filled bottles to service aircraft tires, struts and accumulators thereby enhancing the Air Force's rapid deployment, warfighting capability, equipment survivability and daily maintenance operations.

C. APPLICATION: SGNS will be used to service tires, struts and accumulators and to purge oxygen systems on all Air Force aircraft.

D. REQUIREMENTS: FY96 - 95 shortages  
FY97 - 310 shortages

E. IMPACT: The current Air Force systems are inefficient, costly to maintain and unreliable. Bare base operations will continue to be difficult and costly without SGNS. If not procured, the Air Force will continue to preposition empty equipment (storage tanks & LN-2 carts) that still require the shipment of liquid nitrogen to the deployed areas of operation.

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) <small>(Cost in thousands of dollars)</small>										D. DATE FEBRUARY 1995	
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.		B. WEAPON MODEL/SERIES/ POPULAR NAME			C. MANUFACTURER NAME/PLANT/ CITY/STATE						
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT		SELF-GENERATING NITROGEN SERVICING CART NSN: 3655-01-347-9055			UNKNOWN						
Weapon System Cost Elements		FY 1994		FY 1995		FY 1996		FY 1997			
IDENT CODE		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	
A					315		52		95		
SGNS							16,223				
TECHNICAL DATA							50				
BID SAMPLE TEST							15				
TOTAL							16,288				
							5,040		55		16,942
							5,040				16,942

Exhibit P-5 Weapon System Cost Analysis

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## UNCLASSIFIED

## BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)

A. DATE

FEBRUARY 1995

(Cost in thousands of dollars)

C. P-1 ITEM NOMENCLATURE SELF-GENERATING NITROGEN  
SERVICING CART NSN: 3655-01-347-9055

B. APPROPRIATION/BUDGET ACTIVITY

AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

Cost Element/  
FISCAL YEARCONTRACTOR/  
LOCATIONCONTRACT  
METHOD  
& TYPECONTRACTED  
BYAWARD  
DATEDATE OF  
FIRST  
DELIVERY

QUANTITY

UNIT  
COSTSPECS  
AVAIL  
NOWSPECS  
REV  
REQ'DIF YES,  
WHEN  
AVAILUNKNOWN  
UNKNOWN  
UNKNOWNC/FP  
OPTION  
OPTIONAFMC/SA-ALC  
AFMC/SA-ALC  
AFMC/SA-ALCJUL 95  
JUN 96  
OCT 96DEC 95  
OCT 96  
FEB 97315  
95  
31052  
53  
55YES  
YES  
YESNO  
NO  
NOFY96  
FY97

## D. REMARKS

\* UNIT COSTS FOR FY95, 96 AND 97 BASED ON UNIT COST OF SIMILAR ITEM IN COMMERCIAL MARKET ESCALATED BY RESPECTIVE INFLATION INDICES.

Exhibit P-5a Procurement History and Planning

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FY 97 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE: SELF-GENERATING NITROGEN CART												DATE: FEBRUARY 1995												FISCAL YEAR 97											
ITEM/MFG PROCUREMENT YEAR										FISCAL YEAR 95												FISCAL YEAR 96												FISCAL YEAR 97											
										CALENDAR YEAR 95												CALENDAR YEAR 96												CALENDAR YEAR 97											
										94 94												94 94												94 94											
										OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP												OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP												OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP											
										1-Oct 1-Oct												1-Oct 1-Oct												1-Oct 1-Oct											
										QTY PRIOR DUE												QTY PRIOR DUE												QTY PRIOR DUE											
										S E R V												S E R V												S E R V											
FY95										AF 315 0 315												AF 315 0 315												AF 315 0 315											
FY96										AF 95 0 95												AF 95 0 95												AF 95 0 95											
FY97										AF 310 0 310												AF 310 0 310												AF 310 0 310											
FY95										FMS 10 0 10												FMS 10 0 10												FMS 10 0 10											
FY97										ARMY 50 0 50												ARMY 50 0 50												ARMY 50 0 50											
TOTAL										780 0 780												780 0 780												780 0 780											
MANUFACTURER'S NAME AND LOCATION										UNKNOWN												UNKNOWN												UNKNOWN											
PROD RATES										MIN MAX CH D+												MIN MAX CH D+												MIN MAX CH D+											
ADMIN LEAD TIME										PR 1 OCT												PR 1 OCT												PR 1 OCT											
MANUFACTURING TIME										9												9												9											
TOTAL AFTER 1										OCT												OCT												OCT											
REORDER										4												4												4											

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# UNCLASSIFIED

## REQUIREMENTS STUDY

DATE: FEBRUARY 1995

P-1 ITEM NOMENCLATURE: SELF-GENERATING NITROGEN CART

APPROPRIATION / BUDGET ACTIVITY  
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

NSN: 3655-01-347-9055

### ASSETS

On Hand as of 31 Mar 94  
Due-In w/all Prior Years' Funds  
Due-In w/FY95 Funds  
TOTAL ASSETS:

### DISPOSALS (Planned & Projected thru FY96 FDP)

FY95 since as of date:  
FY96:  
FY97:  
FY98:  
FY99:  
TOTAL DISPOSALS ( 34 MONTHS)  
PROCUREMENT LEADTIME: 4 months

### NET ASSETS:

### ACTUAL TRAINING EXPENDITURE

FY95  
FY94  
FY93  
FY92  
FY91

### ACTUAL OTHER THAN TRAINING EXPENDITURE

FY95  
FY94  
FY93  
FY92  
FY91

REMARKS: VARIANCE BETWEEN FY96 REQUIRED AND PLANNED PROCUREMENT DUE TO PRODUCIBILITY.

### INVENTORY OBJECTIVE

Number of Combat Loads  
Assets Required for Combat Loads  
Combat Expenditures  
War Reserve Requirement  
Annual Training  
Annual Testing  
Maintenance Pipeline  
Air Force Requirement  
Air National Guard Requirement  
Air Force Reserve Requirement

### TOTAL REQUIREMENT

### APPROVED ACQUISITION OBJECTIVE

### PROCUREMENT REQUIREMENT

Total FY96 Requirement  
Less Net Assets  
Required FY96 Procurement  
Planned FY96 Procurement

Total FY97 Requirement  
Less Net Assets  
Less FY96 Planned Proc  
Required FY97 Procurement  
Planned FY97 Procurement

P-1 SHOPPING LIST  
ITEM NO.

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REQUIREMENTS STUDY

DATE: FEBRUARY 1995

P-1 ITEM NOMENCLATURE: SELF-GENERATING NITROGEN CART  
NSN: 3655-01-347-9055

APPROPRIATION / BUDGET ACTIVITY  
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

ASSETS

On Hand as of 31 Mar 94  
Due-in w/all Prior Years' Funds  
Due-in w/FY96 Funds  
TOTAL ASSETS:

DISPOSALS (Planned & Projected thru FY97 FDP)

FY96 since as of date:  
FY97:  
FY98:  
FY99:  
FY00:  
TOTAL DISPOSALS ( 46 MONTHS)  
PROCUREMENT LEADTIME: 4 months

NET ASSETS:

ACTUAL TRAINING EXPENDITURE

FY96  
FY95  
FY94  
FY93  
FY92

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY96  
FY95  
FY94  
FY93  
FY92

REMARKS: VARIANCE BETWEEN FY97 REQUIRED AND PLANNED PROCUREMENT DUE TO PRODUCTIBILITY.

INVENTORY OBJECTIVE

0	Number of Combat Loads	
315	Assets Required for Combat Loads	
95	Combat Expenditures	35
410	War Reserve Requirement	
	Annual Training	
	Annual Testing	
0	Maintenance Pipeline	1178
0	Air Force Requirement	235
	Air National Guard Requirement	136
	Air Force Reserve Requirement	
0	TOTAL REQUIREMENT	1584

APPROVED ACQUISITION OBJECTIVE

PROCUREMENT REQUIREMENT

410	Total FY97 Requirement	1584
	Less Net Assets	410
	Required FY97 Procurement	1174
	Planned FY97 Procurement	310

ACTUAL OTHER THAN TRAINING EXPENDITURE

	Total FY98 Requirement	
	Less Net Assets	
	Less FY97 Planned Proc	
	Required FY98 Procurement	
	Planned FY98 Procurement	

P-1 SHOPPING LIST  
ITEM NO.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE FEBRUARY 1995	
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT		P-1 ITEM NOMENCLATURE Air Conditioner MA-3D NSN: 4120-00-998-6673						
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	60	307	287	0	41	0	0	0
COST (in Mil)	\$3,001	\$14,837	\$13,870	\$0,000	\$2,118	\$0,000	\$0,000	\$0,000

A. DESCRIPTION/FUNCTION: The MA-3D is a diesel engine driven, all weather, vapor cycle, trailer mounted, self-contained air conditioner with a nominal cooling capacity of 138,000 BTU/HR (20 tons). It is designed to provide cooling for aircraft electronic equipment during ground check-out and maintenance.

B. PURPOSE OF PROCUREMENT: Item is required to replace air conditioners with critical support problems. The average service life of this item is ten years; assets being replaced have long exceeded replacement cost criteria. The average age of the inventory is 21 years. Support problems include non-availability of spare parts and use of leaded fuel. Procurement of this item is also required for the Government to be in compliance with the Montreal Protocol Treaty on substances that deplete the ozone layer and the Clean Air Act requiring the elimination of R-12 refrigerant.

C. APPLICATION: This item supports multiple large aircraft: B-52, C-5, C-130, C-141, C-17, KC-135, and EC-130.

D. REQUIREMENT: FY96 - 287 replacements

E. IMPACT: Without this type air conditioner for flight line use, there is high risk of damaging expensive electronic systems due to overheating and creating a health hazard for personnel performing required maintenance functions.

F. TYPE ITEM: A

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BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)						A. DATE FEBRUARY 1995				
(Cost in thousands of dollars)										
B. APPROPRIATION/BUDGET ACTIVITY			C. P-1 ITEM NOMENCLATURE				AIR CONDITIONER MA-3D			
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT			NSN: 4120-00-998-6673							
COST ELEMENT/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY95	EAS	OPTION*	AFMC/SA-ALC	NOV 94	NOV 95	307	48	YES	NO	
FY96	EAS	OPTION*	AFMC/SA-ALC	NOV 95	JUN 96	287	48			
	ENGINEERED AIR SYSTEMS, ST LOUIS, MO									

## D. REMARKS

\* OPTION QUANTITIES/PRICES IN ACCORDANCE WITH FY93 COMPETITIVE/FIRM FIXED PRICE CONTRACT.

Exhibit P-5a Procurement History and Planning

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REQUIREMENTS STUDY

DATE: FEBRUARY 1995

P-1 ITEM NOMENCLATURE: AIR CONDITIONER MA-3D  
NSN: 4120-00-998-6673

APPROPRIATION / BUDGET ACTIVITY  
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

ASSETS

On Hand as of 31 Mar 94  
Due-In w/all Prior Years Funds  
Due-In w/FY95 Funds  
TOTAL ASSETS:

DISPOSALS (Planned & Projected thru FY96 FDP)

FY95 since as of date:  
FY96:  
FY97:  
FY98:  
FY99:  
TOTAL DISPOSALS ( 32 MONTHS)  
PROCUREMENT LEADTIME: 8 months

NET ASSETS:

ACTUAL TRAINING EXPENDITURE

FY95  
FY94  
FY93  
FY92  
FY91

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY95  
FY94  
FY93  
FY92  
FY91

REMARKS: THIS IS A COMPLETE REPLACEMENT PROGRAM. OLD ASSETS ARE BEING SENT TO DISPOSAL AS R-12 REFRIGERANT IS REMOVED.

INVENTORY OBJECTIVE

Number of Combat Loads  
Assets Required for Combat Loads  
Combat Expenditures  
War Reserve Requirement  
Annual Training  
Annual Testing  
Maintenance Pipeline  
Air Force Requirement  
Air National Guard Requirement  
Air Force Reserve Requirement

TOTAL REQUIREMENT

APPROVED ACQUISITION OBJECTIVE

PROCUREMENT REQUIREMENT

Total FY96 Requirement  
Less Net Assets  
Required FY96 Procurement  
Planned FY96 Procurement

Total FY97 Requirement

Less Net Assets  
Less FY96 Planned Proc  
Required FY97 Procurement  
Planned FY97 Procurement

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Exhibit P-20 Requirements Study

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE FEBRUARY 1995	
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT			P-1 ITEM NOMENCLATURE Air Conditioner, PD501, Diesel NSN: 4120-01-167-5470				
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000
QUANTITY	0	0	40	0	8	0	0
COST (In Mil)	\$0.000	\$0.000	\$8.508	\$0.000	\$2.113	\$0.000	\$0.000
							FY 2001 0
							\$0.000

A. DESCRIPTION/FUNCTION: The PD501 air conditioner is a diesel engine driven, vapor cycle, trailer mounted unit with a normal cooling capacity of 1,200,000 BTU/HR. It provides air via 5 individually controllable outlets at temperatures ranging from 45 to 100 plus degrees Fahrenheit. Flow rates and maximum outlet pressures of 390 pounds per minute (PPM) at 2.0 pounds per square inch gauged (PSIG), 300 PPM/1.5 PSIG, or 220 PPM/3.0 PSIG can be selected. It is designed to operate in temperatures from -40 to +115 degrees (F) and provide cooling/heating for electronic equipment during ground check-out and maintenance checks of avionics systems on the B-1B, AC-130U and MC-130H aircraft.

B. PURPOSE OF PROCUREMENT: This item is needed to ensure failure of vital electronic components does not occur due to overheating during ground checkout and maintenance. Procurement will greatly reduce the Air Force and Special Operations Force's mobility footprint. The B-1B aircraft is currently supported by up to five MA-3D air conditioners, or one ACE\* air conditioner and one MA-3D. The AC-130U and MC-130H are being supported by up to four MA-3Ds.

C. APPLICATION: This air conditioner supports the B-1B, AC-130U and MC-130H aircraft.

D. REQUIREMENTS: FY96 - 40 Shortages

E. IMPACT: Not procuring this item will result in inadequate cooling/heating support for vital electronic components of the B-1B, AC-130U and MC-130H aircraft. Failure of these components will seriously impair the mission capability of these aircraft.

F. TYPE ITEM: A

\*Accessories Control and Equipment (ACE) Company

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BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A) EXHIBIT (P-5A)

(Cost in thousands of dollars)

A. DATE  
FEBRUARY 1995

C. P-1 ITEM NOMENCLATURE AIR CONDITIONER, PD501,  
DIESEL NSN: 4120-01-167-5470

B. APPROPRIATION/BUDGET ACTIVITY  
AIRCRAFT PROCUREMENT COMMON SUPPORT EQUIPMENT

COST ELEMENT/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
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202  
213

JUL 95  
OCT 96

SEP 93  
APR 96

AFMC/SA-ALC  
AFMC/SA-ALC

OPTION\*  
OPTION\*

EAS  
EAS  
ENGINEERED AIR  
SYSTEMS, ST LOUIS,  
MO

YES  
NO

FY93  
FY96

D. REMARKS

\* OPTION TO A FY90 C/FP CONTRACT.

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Exhibit P-5a Procurement History and Planning

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REQUIREMENTS STUDY

DATE: FEBRUARY 1995

P-1 ITEM NOMENCLATURE: AIR CONDITIONER, PD501, DIESEL  
NSN: 4120-01-167-5470

APPROPRIATION / BUDGET ACTIVITY  
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

ASSETS

On Hand as of 31 Mar 94  
Due-In w/all Prior Years' Funds  
Due-In w/FY95 Funds  
TOTAL ASSETS:

DISPOSALS (Planned & Projected thru FY96 FDP)

FY95 since as of date:  
FY96:  
FY97:  
FY98:  
FY99:  
TOTAL DISPOSALS ( 43 MONTHS)  
PROCUREMENT LEADTIME: 12 months

NET ASSETS:

ACTUAL TRAINING EXPENDITURE

FY95  
FY94  
FY93  
FY92  
FY91

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY95  
FY94  
FY93  
FY92  
FY91

REMARKS:

INVENTORY OBJECTIVE

Number of Combat Loads  
Assets Required for Combat Loads  
Combat Expenditures  
War Reserve Requirement  
Annual Training  
Annual Testing  
Maintenance Pipeline  
Air Force Requirement  
Air National Guard Requirement  
Air Force Reserve Requirement

TOTAL REQUIREMENT

APPROVED ACQUISITION OBJECTIVE

PROCUREMENT REQUIREMENT

Total FY96 Requirement  
Less Net Assets  
Required FY96 Procurement  
Planned FY96 Procurement

Total FY97 Requirement  
Less Net Assets  
Less FY96 Planned Proc  
Required FY97 Procurement  
Planned FY97 Procurement

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Exhibit P-20 Requirements Study

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**BUDGET ITEM JUSTIFICATION  
(EXHIBIT P-40)**

DATE FEBRUARY 1995

APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE Compressor, Gas Turbine, Ramjet, etc.				
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT				NSN: 2835-01-390-1807YZ				
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	2	0	132	240	240	233	0	0
COST (In Mil)	\$1.118	\$0.000	\$17.914	\$30.647	\$30.773	\$32.154	\$0.000	\$0.000

**A. DESCRIPTION/FUNCTION:** The AM32A-95 Gas Turbine Compressor, also known as the Large Aircraft Start System (LASS), is a towable, four-wheeled chassis mounted trailer. It consists of an enclosure assembly which houses a turbine engine, fuel, electrical, and lubrication system, and an air delivery system. The LASS is used to furnish pneumatic pressure/power for ground support of aircraft systems. Its primary mission is to start engines for a variety of aircraft. This is accomplished via a delivery hose which connects to the aircraft's engine(s) and provides compressed air for starting and performing other functions that require large volumes of compressed air. The LASS is 116"X 62"X 68" and weighs 3000 pounds.

**B. PURPOSE OF PROCUREMENT:** The MA-1A Air Start Carts currently in use in the inventory were designed in the 1955-1957 time frame and provided adequate output to support engines in use at that time. During the intervening years, the size and air requirements of aircraft engines and accessories have increased without a corresponding growth in starting unit capacity/capability. The MA-1A only provides 90 pounds of air at 45 pounds per square inch actual (PSIA) as compared to the LASS's 150 pounds at 48 PSIA. The LASS will use a GTC85-180 series 6 Garrett engine versus the MA-1A's GTC85-70A engine. New technology via control of fuel flow on demand will provide a cost savings in terms of fuel use efficiency. Unlike the MA-1A, which ran at 100 percent from start, the LASS will start and run at 40 percent and respond/operate at 100 percent when the bleed air valve is opened.

**C APPLICATION:** This unit supports all aircraft having air start capability, including the B-52, C-5, C-17, C-130, C-135, C-141, E-3, E-4 and T-38.

**D. REQUIREMENTS: FY96 - 132 shortages  
FY97 - 240 shortages**

**E. IMPACT:** The MA-1A currently in use does not provide an adequate output of air which is required for the start of the newer generation of aircraft engines. In addition, the increasing age and shortage of parts to repair the MA-1A further necessitates the procurement of the LASS as a replacement. Failure to fund the LASS would result in the loss of large aircraft engine start capability.

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## WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)

(Cost in thousands of dollars)

A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.		B. WEAPON MODEL/SERIES/ POPULAR NAME		C. MANUFACTURER NAME/PLANT/ CITY/STATE		D. DATE							
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT		COMPRESSOR, GAS TURBINE AM32A-95 NSN: 2835-01-390-1807YZ		LIBBY CORPORATION KANSAS CITY, MO		FEBRUARY 1995							
Weapon System Cost Elements	IDENT CODE	FY 1994		FY 1995		FY 1996		FY 1997					
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST			
LASS	A	2	347	694				132	136	17,914	240	128	30,647
TECHNICAL DATA				424						17,914			30,647
TOTAL				1,118									

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## BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)

A. DATE  
FEBRUARY 1995

(Cost in thousands of dollars)

C. P-1 ITEM NOMENCLATURE COMPRESSOR, GAS TURBINE  
AM32A-95 NSN: 2835-01-390-1807YZB. APPROPRIATION/BUDGET ACTIVITY  
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY84	LIBBY	C/FFP	AFMC/SA-ALC	JUN 94	FEB 96	2	347	YES	NO	
FY96	LIBBY	OPTION	AFMC/SA-ALC	MAR 96	SEP 97	132	136*	YES	NO	
FY97	LIBBY	OPTION	AFMC/SA-ALC	OCT 96	APR 98	240	128*	YES	NO	
	LIBBY CORPORATION KANSAS CITY, MO									

D. REMARKS  
\* UNIT COSTS FOR FY86 AND 97 BASED ON FY84 CONTRACT QUANTITY/PRICE BREAK: FY86 - 71 TO 139 / \$135,713; FY97 - 201 TO 240 / \$127,697.

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Exhibit P-5a Procurement History and Planning

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FY97 BUDGET PRODUCTION SCHEDULE										DATE: FEBRUARY 1995											
ITEM/MFG PROCUREMENT YEAR										FISCAL YEAR 95											
										FISCAL YEAR 96											
										FISCAL YEAR 97											
										CALENDAR YEAR 95											
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## REQUIREMENTS STUDY

DATE: FEBRUARY 1995

P-1 ITEM NOMENCLATURE: COMPRESSOR, GAS TURBINE, A/M32A-95  
NSN: 2835-01-390-1807Y2

APPROPRIATION / BUDGET ACTIVITY  
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

### ASSETS

On Hand as of 31 Mar 94  
Due-In w/all Prior Years' Funds  
Due-In w/FY95 Funds  
TOTAL ASSETS:

1347  
2  
0  
1349

### DISPOSALS (Planned & Projected thru FY96 FDP)

FY95 since as of date:

FY96:  
FY97:  
FY98:  
FY99:

TOTAL DISPOSALS ( 48 MONTHS)  
PROCUREMENT LEADTIME: 18 months

0  
0  
  
  
0

TOTAL REQUIREMENT

1664

### APPROVED ACQUISITION OBJECTIVE

1664

NET ASSETS:

1349

### ACTUAL TRAINING EXPENDITURE

FY95  
FY94  
FY93  
FY92  
FY91

### PROCUREMENT REQUIREMENT

Total FY96 Requirement  
Less Net Assets  
Required FY96 Procurement  
Planned FY96 Procurement

1664  
1349  
315  
132

### ACTUAL OTHER THAN TRAINING EXPENDITURE

FY95  
FY94  
FY93  
FY92  
FY91

Total FY97 Requirement  
Less Net Assets  
Less FY96 Planned Proc  
Required FY97 Procurement  
Planned FY97 Procurement

REMARKS: VARIANCE BETWEEN FY96 REQUIRED AND PLANNED PROCUREMENT DUE TO PRODUCIBILITY.

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## UNCLASSIFIED

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REQUIREMENTS STUDY

DATE: FEBRUARY 1995

P-1 ITEM NOMENCLATURE: COMPRESSOR, GAS TURBINE, A/M32A-95  
NSN: 2835-01-390-1807YZ

APPROPRIATION / BUDGET ACTIVITY  
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

ASSETS

On Hand as of 31 Mar 94  
Due-In w/all Prior Years' Funds  
Due-In w/FY96 Funds  
TOTAL ASSETS:

1347  
2  
132  
1481

DISPOSALS (Planned & Projected thru FY97 FDP)

FY96 since as of date:  
FY97:  
FY98:  
FY99:  
FY00:  
TOTAL DISPOSALS ( 60 MONTHS)  
PROCUREMENT LEADTIME: 18 months

0  
230  
  
  
230

TOTAL REQUIREMENT

1672

APPROVED ACQUISITION OBJECTIVE

1672

NET ASSETS:

1251

ACTUAL TRAINING EXPENDITURE

FY96  
FY95  
FY94  
FY93  
FY92

1672  
1251  
421  
240

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY96  
FY95  
FY94  
FY93  
FY92

REMARKS: VARIANCE BETWEEN FY97 REQUIRED AND PLANNED PROCUREMENT DUE TO PRODUCIBILITY.

INVENTORY OBJECTIVE

Number of Combat Loads  
Assets Required for Combat Loads  
Combat Expenditures  
War Reserve Requirement  
Annual Training  
Annual Testing  
Maintenance Pipeline  
Air Force Requirement  
Air National Guard Requirement  
Air Force Reserve Requirement

117  
  
  
  
  
1043  
398  
114

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UNCLASSIFIED										DATE FEBRUARY 1995	
BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)											
P-1 ITEM NOMENCLATURE F-15 Downsized Tester NSN: 4920-01-355-4478DQ											
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT											
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001			
				12	0	0	0				
QUANTITY	0	29	5						\$0.000		\$0.000
COST (In Mil)	\$3.482	\$41.270	\$9.076	\$18.311	\$0.000	\$0.000	\$0.000				

A. DESCRIPTION/FUNCTION: The F-15 Downsized Tester will be highly mobile and will be comprised mainly of electronic components such as a computer controlled memory unit, a signal generator converter, converter interface, air supply cooler, printer, pneumatic generator and controlled assembly, television monitor, rate turn table, cables, air cylinder and nitrogen. This tester will perform parametric testing for troubleshooting and repair of F-15 line replaceable units (LRU). It will also provide ambient air cooling to the unit under test and will examine and provide discrete evaluation of the overall performance of the systems and subsystems for the antenna, fire control, flight control and telemetering systems. Test program sets (TPS) which consist of software, interface test adapters, documentation and cables are required as an interface between the tester and the aircraft's LRUs. The downsized tester will have increased reliability and maintainability and will reduce test times.

B. PURPOSE OF PROCUREMENT: The existing F-15 Avionics Intermediate Shop (AIS) developed in the early 1970s contains many electronic components which are no longer available. Procurement of the downsized tester will eliminate a major cause of downtime thereby increasing aircraft readiness. Also, the F-15 operational capability will be enhanced because of the tester's ease in deployment. This tester is a stand-alone system requiring one pallet to deploy in lieu of 22 pallets required by the current AIS. It also only takes 90 minutes to depalletize, set-up and begin testing of the line replaceable units (LRUs) versus 30 hours for the current AIS. No forklift or special equipment is required to set up the downsized tester. The average age of the existing testers is 20 years. Airlift dollars and overall logistics costs will be reduced after the Downsized Tester fielding.

C. APPLICATION: F-15 Aircraft

D. REQUIREMENTS: FY96 - 5 shortages  
FY97 - 12 shortages

E. IMPACT: The cost of maintaining the aging AIS test stations is approximately \$26 million annually. The most critical aspect of attempting to maintain the AIS is the impact on the maintainability of the aircraft. The F-15 would eventually be unable to sustain sortie operations due to the backlog of aircraft system malfunctions requiring testing and repair. The older test stations are becoming unable to accommodate the workload and are subject to malfunctioning which in turn, increases the number of grounded aircraft. Also, ACC's requirement for a truly mobile tester cannot be met by modifying the AIS which is now technologically outdated. This downsized tester will significantly reduce supportability requirements.

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)										D. DATE		
(Cost in thousands of dollars)										FEBRUARY 1995		
A. APPROPRIATION/BUDGET ACTIVITY			B. WEAPON MODEL/SERIES/ POPULAR NAME				C. MANUFACTURER NAME/PLANT/ CITY/STATE					
TITLE/NO.			F-15 DOWNSIZED TESTER				GRUMMAN AEROSPACE CORPORATION					
AIRCRAFT PROCUREMENT, COMMON			NSN: 4920-01-355-4478DQ				BETHPAGE, NY					
SUPPORT EQUIPMENT												
Weapon System Cost Elements			FY 1994		FY 1995		FY 1996		FY 1997			
IDENT CODE	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST			
A	7	467	3,272	29	732	21,214	5	761	3,803	12	835	10,003
F-15 DOWNSIZED TESTER			210	49	351	17,194	44	112	4,929	32	139	4,447
TEST PROGRAM SETS (TPS)						2,862			344			738
TECHNICAL DATA												
SYSTEMS ENG (PHASE 4)										38	82	3,123
TPS (PHASE 4)			3,482			41,270			9,076			18,311
TOTAL												

F-15 DOWNSIZE TESTER  
TEST PROGRAM SETS (TPS)  
TECHNICAL DATA  
SYSTEMS ENG (PHASE 4)  
TPS (PHASE 4)

Exhibit P-5 Weapon System Cost Analysis

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## BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)

A. DATE  
FEBRUARY 1995C. P-1 ITEM NOMENCLATURE F-15 Downsize Tester  
NSN: 4920-01-355-4478DQB. APPROPRIATION/BUDGET ACTIVITY  
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

COST ELEMENT/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY93	GRUMMAN	OPTION	AFMC/SA-ALC	FEB 94	JUL 95	7	828	YES	NO	
FY94 (TPSs ONLY)	GRUMMAN	OPTION	AFMC/ASC	FEB 95	JAN 96	7	467	YES	NO	
FY95	GRUMMAN	OPTION	AFMC/ASC	FEB 95	JUN 96	29	732	YES	NO	
FY95 (TPSs ONLY)	GRUMMAN	OPTION	AFMC/ASC	FEB 95	JUN 96	49	374	YES	NO	
FY96	GRUMMAN	OPTION	AFMC/ASC	NOV 95	MAR 97	5	761	YES	NO	
FY96 (TPSs ONLY)	GRUMMAN	OPTION	AFMC/ASC	NOV 95	MAR 97	44	112	YES	NO	
FY97	GRUMMAN	OPTION	AFMC/ASC	NOV 96	MAY 97	12	835	YES	NO	
FY97 (TPSs ONLY)	GRUMMAN	OPTION	AFMC/ASC	NOV 96	MAY 97	32	139	YES	NO	
FY97 (PHASE 4 TPS ONLY)	GRUMMAN	OPTION	AFMC/ASC	NOV 96	JUN 97	38	82	YES	NO	
	GRUMMAN AEROSPACE CORP BETHPAGE, NY									

D. REMARKS  
UNIT COSTS ARE BASED ON FY 92 CPI/FPI NEGOTIATED CONTRACT VALUE.

Exhibit P-5a Procurement History and Planning

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FY07 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE: F-16 DOWNSIZED TESTER												DATE: FEBRUARY 1995												FISCAL YEAR 96												FISCAL YEAR 97											
ITEM/RFQ PROCUREMENT YEAR										FISCAL YEAR 95												FISCAL YEAR 96												FISCAL YEAR 97																							
SCHEDULE										CALENDAR YEAR 95												CALENDAR YEAR 96												CALENDAR YEAR 97																							
S E R V										94 94 94												95 95 95												96 96 96												97 97 97											
QTY PRIOR DUE										1-Oct 1-Oct 1-Oct												2-Oct 2-Oct 2-Oct												3-Oct 3-Oct 3-Oct												4-Oct 4-Oct 4-Oct											
FY03										AF 7 0 7																																															
FY05										AF 20 0 20																																															
FY06										AF 5 0 5																																															
FY07										AF 12 0 12																																															
TOTAL										53 0 53																																															
MANUFACTURER'S NAME AND LOCATION										GRUMMAN AEROSPACE CORPORATION BETHPAGE, NY																																															
PROD RATES										MIN MAX CH D																																															
ADMIN LEAD TIME										PR 1 OCT 1 OCT 1 OCT																																															
MANUFACTURING TIME										TOTAL AFTER 1 OCT																																															
REORDER										1 16 17																																															

# UNCLASSIFIED

## REQUIREMENTS STUDY

DATE: FEBRUARY 1995

P-1 ITEM NOMENCLATURE: F-15 DOWNSIZED TESTER  
NSN: 4920-01-355-4478DQ

### APPROPRIATION / BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

#### ASSETS

On Hand as of 31 Mar 94  
Due-In w/all Prior Years' Funds  
Due-In w/FY95 Funds  
TOTAL ASSETS:

#### DISPOSALS (Planned & Projected thru FY96 FDP)

FY95 since as of date:  
FY96:  
FY97:  
FY98:  
FY99:  
TOTAL DISPOSALS ( 37 MONTHS)  
PROCUREMENT LEADTIME: 17 months

#### NET ASSETS:

#### ACTUAL TRAINING EXPENDITURE

FY95  
FY94  
FY93  
FY92  
FY91

#### ACTUAL OTHER THAN TRAINING EXPENDITURE

FY95  
FY94  
FY93  
FY92  
FY91

REMARKS: VARIANCE BETWEEN FY96 REQUIRED AND PLANNED PROCUREMENT DUE TO PRODUCIBILITY.

#### INVENTORY OBJECTIVE

Number of Combat Loads  
Assets Required for Combat Loads  
Combat Expenditures  
War Reserve Requirement  
Annual Training  
Annual Testing  
Maintenance Pipeline  
Air Force Requirement  
Air National Guard Requirement  
Air Force Reserve Requirement

#### TOTAL REQUIREMENT

#### APPROVED ACQUISITION OBJECTIVE

#### PROCUREMENT REQUIREMENT

Total FY96 Requirement  
Less Net Assets  
Required FY96 Procurement  
Planned FY96 Procurement

Total FY97 Requirement  
Less Net Assets  
Less FY96 Planned Proc  
Required FY97 Procurement  
Planned FY97 Procurement

P-1 SHOPPING LIST  
ITEM NO.

## UNCLASSIFIED

UNCLASSIFIED

REQUIREMENTS STUDY

DATE: FEBRUARY 1995

P-1 ITEM NOMENCLATURE: F-15 DOWNSIZED TESTER  
NSN: 4920-01-355-4478DQ

APPROPRIATION / BUDGET ACTIVITY  
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

ASSETS

On Hand as of 31 Mar 94  
Due-In w/all Prior Years' Funds  
Due-In w/FY96 Funds

TOTAL ASSETS:

DISPOSALS (Planned & Projected thru FY97 FDP)

FY96 since as of date:

FY97:

FY98:

FY99:

FY00:

TOTAL DISPOSALS ( 41 MONTHS)

PROCUREMENT LEADTIME: 7 months

NET ASSETS:

ACTUAL TRAINING EXPENDITURE

FY96

FY95

FY94

FY93

FY92

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY96

FY95

FY94

FY93

FY92

REMARKS:

INVENTORY OBJECTIVE

Number of Combat Loads  
Assets Required for Combat Loads  
Combat Expenditures  
War Reserve Requirement  
Annual Training  
Annual Testing  
Maintenance Pipeline  
Air Force Requirement  
Air National Guard Requirement  
Air Force Reserve Requirement

TOTAL REQUIREMENT

APPROVED ACQUISITION OBJECTIVE

PROCUREMENT REQUIREMENT

Total FY97 Requirement  
Less Net Assets  
Required FY97 Procurement  
Planned FY97 Procurement

Total FY98 Requirement  
Less Net Assets  
Less FY97 Planned Proc  
Required FY98 Procurement  
Planned FY98 Procurement

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Exhibit P-20 Requirements Study

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)										DATE FEBRUARY 1995
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT										
P-1 ITEM NOMENCLATURE F-16 Improved Avionics Intermediate Shop (IAIS) NSN: 4920-01-339-9212WF										
QUANTITY	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001		
2		2	8	8	0	0	0	0		
COST (In Mil)	\$12,000	\$12,000	\$48,000	\$48,000	\$0,000	\$0,000	\$0,000	\$0,000		

A. DESCRIPTION/FUNCTION: The Improved Avionics Intermediate Shop (IAIS) is a controlled test station that provides performance and diagnostic testing of F-16 avionics line replaceable units (LRUs). The IAIS is mobile (fits on one pallet and is two man portable), does not require controlled environment (hangar/ tent) and operates on four different power sources. It consists of an interface unit, control and display unit, instrument units, microwave stimulus unit, microwave measurement unit, power control unit, storage units, blower unit, refrigeration unit, frequency changer unit and optical test bench.

B. PURPOSE OF PROCUREMENT: The IAIS will replace the F-16 full size avionics intermediate shop (AIS) test stations which are 16 years old and are becoming obsolete and unsupportable due to outdated technology and disappearing vendors.

C. APPLICATION: F-16 aircraft

D. REQUIREMENTS: FY96 - 8 replacements  
FY97 - 8 replacements

E. IMPACT: The cost of maintaining the aging AIS test stations has become uneconomical. Maintainability of the F-16 aircraft is becoming increasingly difficult using obsolete and outdated support equipment. These aircraft will eventually be unable to participate fully in sorties on a sustainable basis due to the backlog of aircraft system malfunctions requiring testing and repair. The older test stations are becoming unable to accommodate the required testing and are subject to malfunctioning which in turn increases the number of grounded aircraft. This mobile tester will significantly reduce supportability requirements.

F. TYPE ITEM: A

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## BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)

A. DATE  
FEBRUARY 1995

(Cost in thousands of dollars)

C. P-1 ITEM NOMENCLATURE F-16 IMPROVED AVIONICS  
INTERMEDIATE SHOP NSN: 4920-01-339-9212WF

### B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT COMMON SUPPORT EQUIPMENT

COST ELEMENT/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPEC AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY94	GENERAL DYNAMICS	SS/FP	AFMC/ASC	FEB 95	AUG 96	2	6,000*	YES	NO	
FY95	GENERAL DYNAMICS	OPTION	AFMC/ASC	FEB 95	DEC 96	2	6,000*	YES	NO	
FY96	GENERAL DYNAMICS	SS/FP	AFMC/ASC	MAY 96	AUG 97	8	6,000*	YES	NO	
FY97	GENERAL DYNAMICS	OPTION	AFMC/ASC	JAN 97	APR 98	8	6,000*	YES	NO	
	GENERAL DYNAMICS SAN DIEGO, CA									

#### D. REMARKS

\* UNIT COSTS BASED ON ENGINEERING ESTIMATE.

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[illegible]

# UNCLASSIFIED

## REQUIREMENTS STUDY

DATE: FEBRUARY 1995

P-1 ITEM NOMENCLATURE: F-16 IMPROVED AVIONICS INTERMEDIATE SHOP

APPROPRIATION / BUDGET ACTIVITY  
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

NSN: 4920-01-339-9212WF

### ASSETS

On Hand as of 31 Mar 94  
Due-In w/all Prior Years' Funds  
Due-In w/FY95 Funds  
TOTAL ASSETS:

### DISPOSALS (Planned & Projected thru FY96 FDP)

FY95 since as of date:  
FY96:  
FY97:  
FY98:  
FY99:  
TOTAL DISPOSALS ( 37 MONTHS)  
PROCUREMENT LEADTIME: 18 months

### NET ASSETS:

### ACTUAL TRAINING EXPENDITURE

FY95  
FY94  
FY93  
FY92  
FY91

### ACTUAL OTHER THAN TRAINING EXPENDITURE

FY95  
FY94  
FY93  
FY92  
FY91

REMARKS: VARIANCE BETWEEN FY96 REQUIRED AND PLANNED PROCUREMENT DUE TO PRODUCTIBILITY.

### INVENTORY OBJECTIVE

Number of Combat Loads  
Assets Required for Combat Loads  
Combat Expenditures  
War Reserve Requirement  
Annual Training  
Annual Testing  
Maintenance Pipeline  
Air Force Requirement  
Air National Guard Requirement  
Air Force Reserve Requirement

### TOTAL REQUIREMENT

### APPROVED ACQUISITION OBJECTIVE

### PROCUREMENT REQUIREMENT

Total FY96 Requirement  
Less Net Assets  
Required FY96 Procurement  
Planned FY96 Procurement

### TOTAL FY97 REQUIREMENT

Less Net Assets  
Less FY96 Planned Proc  
Required FY97 Procurement  
Planned FY97 Procurement

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ITEM NO.

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REQUIREMENTS STUDY

DATE: FEBRUARY 1995

P-1 ITEM NOMENCLATURE: F-16 IMPROVED AVIONICS INTERMEDIATE SHOP  
NSN: 4920-01-339-9212WF

APPROPRIATION / BUDGET ACTIVITY  
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

ASSETS

On Hand as of 31 Mar 94  
Due-In w/all Prior Years' Funds  
Due-In w/FY96 Funds  
TOTAL ASSETS:

DISPOSALS (Planned & Projected thru FY97 FDP)

FY96 since as of date:

FY97:  
FY98:  
FY99:  
FY00:

TOTAL DISPOSALS ( 49 MONTHS)  
PROCUREMENT LEADTIME: 18 months

NET ASSETS:

ACTUAL TRAINING EXPENDITURE

FY96  
FY95  
FY94  
FY93  
FY92

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY96  
FY95  
FY94  
FY93  
FY92

REMARKS:

INVENTORY OBJECTIVE

Number of Combat Loads  
Assets Required for Combat Loads  
Combat Expenditures  
War Reserve Requirement  
Annual Training  
Annual Testing  
Maintenance Pipeline  
Air Force Requirement  
Air National Guard Requirement  
Air Force Reserve Requirement

0  
4  
8  
12  
  
0  
0  
  
  
0

TOTAL REQUIREMENT

APPROVED ACQUISITION OBJECTIVE

PROCUREMENT REQUIREMENT

Total FY97 Requirement  
Less Net Assets  
Required FY97 Procurement  
Planned FY97 Procurement

12

Total FY98 Requirement  
Less Net Assets  
Less FY97 Planned Proc  
Required FY98 Procurement  
Planned FY98 Procurement

150

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Exhibit P-20 Requirements Study

# UNCLASSIFIED

## BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)

DATE FEBRUARY 1995

BUDGET ITEM JUSTIFICATION										P-1 ITEM NOMENCLATURE Avionics Integrated Support Facilities (AISF)									
(EXHIBIT P-40)																			
APPROPRIATION/BUDGET ACTIVITY																			
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT																			

A. DESCRIPTION/FUNCTION: The Avionics Integrated Support Facilities (AISFs), located at each Air Logistics Center, provide a laboratory environment to simulate flight conditions for mission essential changes to software for weapon system on-board computers/subsystems. This capability enables the weapon system's System Support Manager (SSM) to support operational flight programs (OFP) organically. The facilities provide all the necessary instrumentation to collect and record engineering data during test flights and all the ground equipment necessary to perform data analysis of the collected data. Funding requirements for these facilities are continuous in order to modernize and technologically update the equipment as changes to aircraft weapon systems occur.

B. PURPOSE OF PROCUREMENT: The purpose of these procurements is to replace facility equipment which is no longer maintainable.

C. APPLICATION: These AISFs support multiple weapon systems.

D. REQUIREMENTS: Requirements at the Air Logistic Centers consist of multiple items, none of which the procurement value exceeds \$2 million.

E. IMPACT: Since the AISFs provide vital resources needed to develop and test weapon system software modifications, these resources are mission essential. The Mission Critical Computer Resource (MCCR) software programs that control navigation and weapons delivery systems are designated as operational flight programs. Changes to these OFPs are developed and tested in these facilities. The AISFs provide OFP engineers with software development tools and test stands that simulate inflight environment for extensive testing of OFPs. Mission effectiveness of weapon systems depends on the accuracy and quality of its OFPs. If AISF equipment is not available to support OFP development and to test the OFPs, the aircraft weapon systems navigation and weapons delivery capabilities will be degraded thus adversely impacting the weapon system's mission effectiveness and flight safety.

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# UNCLASSIFIED

# UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 1995
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE Maintenance Platform, High Reach					
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT		NSN: 1730-01-249-0097					
FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
14	0	9	0	2	0	0	0
QUANTITY							
\$6.539	\$0.000	\$4.345	\$0.000	\$1.055	\$0.000	\$0.000	\$0.000
ST (in Mil)							

A. DESCRIPTION/FUNCTION: The High Reach Maintenance Platform is a complete self-contained, hydraulically operated unit mounted on a truck type carrier. This item is equipped with a diesel engine which provides both vehicle drive power and hydraulic system power take-off from the vehicle drive automatic transmission. The aerial lift consists of main components such as a turret, inner and outer columns, inner and outer boom and a platform. The inner and outer boom and platform are assembled to form an integrated mechanical structure which provides vertical and horizontal movement. The boom assembly can be extended to a maximum height of 125 feet and has a maximum horizontal reach of 60 feet when the boom is extended to 72 feet. Capacity of the platform is 1500 pounds. This platform is used to work on and to remove or to install the horizontal stabilizer on the C-5 and C-17 aircraft. It can also be used as a deicer on other large aircraft. It contains a system which delivers deicing and defrosting fluids over external aircraft surfaces that are normally inaccessible.

B. PURPOSE OF PROCUREMENT: This item is being procured to fill C-5 shortages which will allow the maintenance work requiring the boom capability to be accomplished.

C. APPLICATION: The High Reach Maintenance Platform supports the C-5 and C-17 aircraft.

D. REQUIREMENTS: FY96 - 3 shortages (C-5)  
- 6 replacements (C-5)

E. IMPACT: Lack of this item will cause maintenance and deicing of the C-5 aircraft to be suspended until a High Reach can be borrowed from another base thereby increasing aircraft downtime.

F. TYPE ITEM: A

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## BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)

(Cost in thousands of dollars)

A. DATE  
FEBRUARY 1995C. P-1 ITEM NOMENCLATURE MAINTENANCE PLATFORM, HIGH  
REACH NSN: 1730-01-249-0097B. APPROPRIATION/BUDGET ACTIVITY  
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
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CALAVAR UNKNOWN	8300 IMPERIAL DR WACO, TX	OA/FP OPTION*	GSA AFMC/SA-ALC	SEP 94 MAR 96	FEB 95 OCT 96	14 9	469 483	NO YES	NO NO	
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FY94  
FY96D. REMARKS  
• FY96 OPTION UNIT COST BASED ON FY95 (BP10) C/FFP CONTRACT TO BE AWARDED IN JUNE 1996.

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FY0007 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE: MAINTENANCE PLATFORM, HIGH REACH												DATE: FEBRUARY 1995												FISCAL YEAR 97																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
ITEM/MFG PROCUREMENT YEAR										FISCAL YEAR 95												FISCAL YEAR 96												FISCAL YEAR 97																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
S E R V										CALENDAR YEAR 95												CALENDAR YEAR 96												CALENDAR YEAR 97																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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QTY PRIOR DUE										OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP												OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP												OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
FY04	AF	14	0	14						2	2	2	2	2	2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																



## DATE: FEBRUARY 1995

**AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT**

## TOTAL ASSETS:

PROCUREMENT LEADTIME: 13 months

## FY92

Exhibit P-20 Requirements Study

P-1 ITEM NOMENCLATURE.  
MAINTENANCE PLATFORM, HIGH REACH NSN: 1730-01-249-0097

## TOTAL REQUIREMENT

## Planned FY97 Procurement

## FY92

Exhibit P-20 Requirements Study

# UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)										DATE: FEBRUARY 1995	
P-1 ITEM NOMENCLATURE C-5 Empennage Stand NSN: 1730-00-158-3039											
APPROPRIATION/BUDGET ACTIVITY											
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT											
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001			
	0	0	3	0	0	0	0	0			
QUANTITY											
EST (In Mil)	\$0.000	\$0.000	\$2.471	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	

A. DESCRIPTION/FUNCTION: The C-5 Empennage Stand is a self-propelled maintenance platform that contains six working levels including a horizontal platform at the upper level. The stand is 71 feet 9 inches tall and is 76 feet 8 inches wide. It is designed to provide access to all inspection points to allow personnel to remove, install, and inspect all empennage (aircraft structure consisting of the horizontal and vertical stabilizers) accessories and flight controls of the C-5 aircraft.

B. PURPOSE OF PROCUREMENT: To provide replacement of several stands that were originally bought with the first C-5 aircraft. These stands are quickly reaching the end of their 20 year service life. Continued use will require costly repairs to ensure a safe, reliable stand is available. One shortage needs to be filled for an Air Force Reserve unit converting to C-5s.

C. APPLICATION: This maintenance platform supports C-5 aircraft.

D. REQUIREMENTS: FY96 - 1 shortage  
- 2 replacements

E. IMPACT: The C-5 Empennage Stand is essential to the maintenance reliability of the C-5 aircraft fleet and the safety of those maintenance personnel required to work at the great heights associated with the empennage. Without this platform, safe, reliable, timely, and efficient maintenance would be impossible to perform. Many critical inspections, repairs and time compliance technical order requirements would not be able to be accomplished, ultimately grounding the Air Forces heavy airlift transport fleet.

F. TYPE ITEM: A

# UNCLASSIFIED

## BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)

(Cost in thousands of dollars)

B. APPROPRIATION/BUDGET ACTIVITY						C. P-1 ITEM NOMENCLATURE C-5 EMPENNAGE STAND				A. DATE	
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT						NSN: 1730-00-158-3039				FEBRUARY 1995	
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPEC AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL	
FY87	ATCKISON	FFP	AFLC/SA-ALC	JAN 88	JUL89	3	652				
FY86	UNKNOWN	C/FFP	AFMC/SA-ALC	JAN 96	AUG 97	3	824*				
	1801 WEST GLADSTONE ST AZUSA, CA										

D. REMARKS  
\* FY86 UNIT COST BASED ON JAN 88 CONTRACT INFLATED BY FY86 INDICES.

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REQUIREMENTS STUDY

DATE: FEBRUARY 1995

P-1 ITEM NOMENCLATURE: C-5 EMPENNAGE STAND  
NSN: 1730-00-158-3039

APPROPRIATION / BUDGET ACTIVITY  
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

ASSETS

On Hand as of 31 Mar 94  
Due-In w/all Prior Years' Funds  
Due-In w/FY95 Funds  
TOTAL ASSETS:

DISPOSALS (Planned & Projected thru FY96 FDP)

FY95 since as of date:  
FY96:  
FY97:  
FY98:  
FY99:  
TOTAL DISPOSALS ( 41 MONTHS)  
PROCUREMENT LEADTIME: 22 months

NET ASSETS:

ACTUAL TRAINING EXPENDITURE

FY95  
FY94  
FY93  
FY92  
FY91

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY95  
FY94  
FY93  
FY92  
FY91

REMARKS:

INVENTORY OBJECTIVE

Number of Combat Loads  
Assets Required for Combat Loads  
Combat Expenditures  
War Reserve Requirement  
Annual Training  
Annual Testing  
Maintenance Pipeline  
Air Force Requirement  
Air National Guard Requirement  
Air Force Reserve Requirement

TOTAL REQUIREMENT

APPROVED ACQUISITION OBJECTIVE

PROCUREMENT REQUIREMENT

Total FY96 Requirement  
Less Net Assets  
Required FY96 Procurement  
Planned FY96 Procurement

Total FY97 Requirement  
Less Net Assets  
Less FY96 Planned Proc  
Required FY97 Procurement  
Planned FY97 Procurement

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)										DATE: FEBRUARY 1995							
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE Pacer Comet III NSN: 4920-01-179-5108DQ													
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT				FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001	
QUANTITY				2		0		2		0		0		0		0	
ST (in Mil)				\$2,556		\$0,000		\$2,206		\$0,000		\$0,000		\$0,000		\$0,000	

- A. DESCRIPTION/FUNCTION: Pacer Comet III (PC III) is an automated test system designed for testing all jet and gas turbine engines. When interfaced with a jet engine test cell, this system enables a test cell to provide multiple engine testing. This system is generic and comprised of off-the-shelf electronic components assembled and installed by SA-ALC/TISAE. PC III is the only automated system currently in the AF inventory that can provide multi-engine testing of all critical and variable parameters.
- B. PURPOSE OF PROCUREMENT: The Air Force has the requirement to test eight types of jet engines at the 46th Test Wing at Eglin AFB. Two new T-9 Noise Suppressors are being built to provide noise suppression and all weather test capability for these engines. However, conventional manual Instrumentation will not adequately accommodate and support all eight types of engines. PC III was developed to accomplish this task. FY96 and FY97 requirements are for test cells at units with multiple engine testing requirements (Mountain Home AFB, Kadena AFB, Arnold AFB, and Spangdahlem AFB.)
- C. APPLICATION: Tests critical and variable parameters on F100-PW-100 / 200 / 220 / 220E / 229, F110-GE-100 / 129, TF30, and J85-100 engines.
- D. REQUIREMENTS: FY96 - 2 shortages  
FY97 - 2 shortages
- E. IMPACT: Failure to obtain PC III systems will have a significant impact on composite engine test cell capability and would result in considerable delay or loss of critical aircraft missions of all types. Extensive wear and tear of support equipment, test equipment, and facilities would be caused by constant reconfiguration of the T-9 Noise Suppressor to accommodate each type of engine's conventional manual instrumentation. Additionally, countless manhours would be wasted on reconfiguration and recalibration. The possibility of safety incidents would likely increase.

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## WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)

(Cost in thousands of dollars)

D. DATE  
FEBRUARY 1995

C. MANUFACTURER NAME/PLANT/ CITY/STATE  
LOCATION  
SA-ALC/TISAE  
KELLY AFB, TX

B. WEAPON MODEL/SERIES/ POPULAR NAME

PACER COMET III  
NSN: 4920-01-179-5108DQ

A. APPROPRIATION/BUDGET ACTIVITY

TITLE/NO.  
AIRCRAFT PROCUREMENT, COMMON  
SUPPORT EQUIPMENT

Weapon System Cost Elements	IDENT CODE	FY 1994			FY 1995			FY 1996			FY 1997		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
PACER COMET III	A	2	1,033	2,066				2	1,033	2,066	2	1,033	2,066
TECHNICAL DATA				350									140
INTERFACE EQUIPMENT	A			140						140			140
TOTAL				2,556						2,206			2,206

Exhibit P-5 Weapon System Cost Analysis

PAGE NO.

P-1 SHOPP LIST  
ITEM NO.

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BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)							A. DATE		
(Cost in thousands of dollars)							FEBRUARY 1995		
B. APPROPRIATION/BUDGET ACTIVITY							C. P-1 ITEM NOMENCLATURE PACER COMET III		
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT							NSN: 4920-01-179-5108DQ		
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
	SA-ALC/TI	MOA*	AFMCSA-ALC	AUG 94	OCT 95	1,033**	YES	NO	
	SA-ALC/TI	MOA	AFMCSA-ALC	NOV 95	JAN 97	1,033**	YES	NO	
	SA-ALC/TI	MOA	AFMCSA-ALC	NOV 96	JAN 98	1,033**	YES	NO	

4  
FY96  
FY97

## D. REMARKS

\*MEMORANDUM OF AGREEMENT  
\*\*UNIT COST IS BASED ON ESTIMATE PROVIDED BY SA-ALC/TI

Exhibit P-5a Procurement History and Planning

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P-1 SHOPP LIST  
ITEM NO.

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FY07 BUDGET PRODUCTION SCHEDULE															P-1 ITEM NOMENCLATURE: PACER COMET III												DATE: FEBRUARY 1995												FISCAL YEAR 97												FISCAL YEAR 96												FISCAL YEAR 95											
ITEM/MFG PROCUREMENT YEAR															CALENDAR YEAR 97												CALENDAR YEAR 96												CALENDAR YEAR 95																																			
S E R V															94 94 94												94 94 94												94 94 94																																			
QTY PRIOR DUE 1-Oct															1-Oct												1-Oct												1-Oct																																			
FY04															2												2												2																																			
FY06															2												2												2																																			
FY07															2												2												2																																			
TOTAL															6												6												6																																			
MANUFACTURER'S NAME AND LOCATION															PROD RATES												REORDER												TOTAL AFTER 1 OCT																																			
SA-ALC/TISAE															MIN												MAX												CH D+																																			
KELLY AFB, TX															1												2/YR												INITIAL																																			
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## REQUIREMENTS STUDY

DATE: FEBRUARY 1995

P-1 ITEM NOMENCLATURE: PACER COMET III  
NSN: 4920-01-179-5108DQ

### APPROPRIATION / BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

#### ASSETS

On Hand as of 31 Mar 94  
Due-In w/all Prior Years' Funds  
Due-In w/FY95 Funds  
TOTAL ASSETS:

#### DISPOSALS (Planned & Projected thru FY96 FDP)

FY95 since as of date:  
FY96:  
FY97:  
FY98:  
FY99:  
TOTAL DISPOSALS ( 34 MONTHS)  
PROCUREMENT LEADTIME: 15 months

#### NET ASSETS:

#### ACTUAL TRAINING EXPENDITURE

FY95  
FY94  
FY93  
FY92  
FY91

#### ACTUAL OTHER THAN TRAINING EXPENDITURE

FY95  
FY94  
FY93  
FY92  
FY91

#### REMARKS:

#### INVENTORY OBJECTIVE

Number of Combat Loads  
Assets Required for Combat Loads  
Combat Expenditures  
War Reserve Requirement  
Annual Training  
Annual Testing  
Maintenance Pipeline  
Air Force Requirement  
Air National Guard Requirement  
Air Force Reserve Requirement

#### TOTAL REQUIREMENT

#### APPROVED ACQUISITION OBJECTIVE

#### PROCUREMENT REQUIREMENT

Total FY96 Requirement  
Less Net Assets  
Required FY96 Procurement  
Planned FY96 Procurement

Total FY97 Requirement  
Less Net Assets  
Less FY96 Planned Proc  
Required FY97 Procurement  
Planned FY97 Procurement

P-1 SHOPPING LIST  
ITEM NO.

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REQUIREMENTS STUDY

DATE: FEBRUARY 1995

P-1 ITEM NOMENCLATURE: PACER COMET III  
NSN: 4920-01-179-5108DQ

APPROPRIATION / BUDGET ACTIVITY  
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

ASSETS

On Hand as of 31 Mar 94

Due-In w/all Prior Years' Funds

Due-In w/FY96 Funds

TOTAL ASSETS:

DISPOSALS (Planned & Projected thru FY97 FDP)

FY96 since as of date:

FY97:

FY98:

FY99:

FY00:

TOTAL DISPOSALS ( 46 MONTHS)

PROCUREMENT LEADTIME: 15 months

NET ASSETS:

ACTUAL TRAINING EXPENDITURE

FY96

FY95

FY94

FY93

FY92

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY96

FY95

FY94

FY93

FY92

REMARKS:

INVENTORY OBJECTIVE

Number of Combat Loads

Assets Required for Combat Loads

Combat Expenditures

War Reserve Requirement

Annual Training

Annual Testing

Maintenance Pipeline

Air Force Requirement

Air National Guard Requirement

Air Force Reserve Requirement

TOTAL REQUIREMENT

APPROVED ACQUISITION OBJECTIVE

PROCUREMENT REQUIREMENT

Total FY97 Requirement

Less Net Assets

Required FY97 Procurement

Planned FY97 Procurement

Total FY98 Requirement

Less Net Assets

Less FY97 Planned Proc

Required FY98 Procurement

Planned FY98 Procurement

P-1 SHOPPING LIST  
ITEM NO.

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**BUDGET ITEM JUSTIFICATION**  
**(EXHIBIT P-40)**

DATE: FEBRUARY 1995

BUDGET ITEM JUSTIFICATION		(EXHIBIT P-40)						P-1 ITEM NOMENCLATURE				Compass Callibrator MC-2000	
								NSN: 4920-01-328-3419NT					
APPROPRIATION/BUDGET ACTIVITY		AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT											
		FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001				
QUANTITY		0	0	72	64	0	0	0	0				
COST (In Mil)		\$0.000	\$0.000	\$6.049	\$5.539	\$0.000	\$0.000	\$0.000	\$0.000				\$0.000

**OPERATING INSTRUCTIONS:** The MC-2000 Compass Calibrator Set is used to perform magnetic compass system alignment when a compass system is installed or

one of its components is replaced on an aircraft. The compass system provides a

**B. PURPOSE OF PROCUREMENT:** The MC-2000 is compatible with the current state-of-the-art compass systems whereas the existing calibrators are not compatible. Existing calibrators are 1960s technology and have low reliability. The MC-2000 set reduces calibration time by at least fifty percent. The MC-2000 Compass Calibrators will increase mission readiness due to shorter aircraft servicing time, is a fully supportable/maintainable system and eliminates the requirement for a Compass Rose. A Compass Rose is physically embossed onto a remote area of the maintenance ramp and is used to align the aircraft axis to the magnetic headings required to calibrate the compass. The MC-2000 also automatically compensates for changing magnetic fields and it will reduce time required to complete compass calibration training requirements and reduce the size and complexity of the calibrator hardware.

C. APPLICATION: The compass calibrator supports the B-1B, Special Operations Forces (SOF) aircraft and other Air Combat Command and Air Mobility Command aircraft.

**D. REQUIREMENTS: FY96 - 72 shortages  
FY97 - 64 shortages**

FY97 - 64 shortages

E. IMPACT: Without the MC-2000 Compass Calibrator, there will be no capability to calibrate compass systems on SOF aircraft, the B-1B and other strategic, tactical and mobility aircraft where older calibrators are not adequate for compass calibration/alignment. Being 1960s technology, they are low in reliability. Depot repair is increasingly difficult due to obsolete parts and increasing negative response from vendors for new procurement and/or repair. Not having this capability will ground aircraft.

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## BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)

A. DATE

FEBRUARY 1995

(Cost in thousands of dollars)

## C. P-1 ITEM NOMENCLATURE COMPASS CALIBRATOR MC-2000

NSN: 4920-01-328-3419NT

## B. APPROPRIATION/BUDGET ACTIVITY

## AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPEC AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
	HONEYWELL	SS/FFP	AFMC/OCC-ALC	JUN 93	JUL 95	60	60	YES	NO	
FY96	HONEYWELL	SS/FFP	AFMC/OCC-ALC	NOV 95	MAY 96	72	65*	YES	NO	
FY97	HONEYWELL	SS/FFP	AFMC/OCC-ALC	NOV 96	MAY 97	64	67*	YES	NO	
	HONEYWELL DURHAM, NC									

## D. REMARKS

\* UNIT COSTS FOR FY96 AND 97 BASED ON FY92 CONTRACT ESCALATED BY RESPECTIVE INFLATION INDICES.

P-1 SHOPP LIST

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Exhibit P-5a Procurement History and Planning

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## WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)

A. APPROPRIATION/BUDGET ACTIVITY		B. WEAPON MODEL/SERIES/ POPULAR NAME		C. MANUFACTURER NAME/PLANT/CITY/STATE		D. DATE	
TITLE/NO.		COMPASS CALIBRATOR MC-2000		HONEYWELL		FEBRUARY 1995	
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT		NSN: 4920-01-328-3419NT		DURHAM, NC			

Weapon System Cost Elements	IDENT CODE	FY 1994			FY 1995			FY 1996			FY 1997		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
COMPASS CALIBRATOR WARRANTY	A							72	65	4,707	64	67	4,310
										1,342			1,229
TOTAL										6,049			5,539

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REQUIREMENTS STUDY

DATE: FEBRUARY 1995

P-1 ITEM NOMENCLATURE: COMPASS CALIBRATOR MC -2000

APPROPRIATION / BUDGET ACTIVITY  
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

NSN: 4920-01-328-3419NT

ASSETS

On Hand as of 31 Mar 94  
Due-In w/all Prior Years' Funds  
Due-In w/FY95 Funds  
TOTAL ASSETS:

DISPOSALS (Planned & Projected thru FY96 FDP)

FY95 since as of date:  
FY96:  
FY97:  
FY98:  
FY99:  
TOTAL DISPOSALS ( 37 MONTHS)  
PROCUREMENT LEADTIME: 7 months

NET ASSETS:

ACTUAL TRAINING EXPENDITURE

FY95  
FY94  
FY93  
FY92  
FY91

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY95  
FY94  
FY93  
FY92  
FY91

REMARKS: VARIANCE BETWEEN FY96 REQUIRED AND PLANNED PROCUREMENT DUE TO CONTRACTOR PRODUCTION LIMITATIONS.

INVENTORY OBJECTIVE

Number of Combat Loads  
Assets Required for Combat Loads  
Combat Expenditures  
War Reserve Requirement  
Annual Training  
Annual Testing  
Maintenance Pipeline  
Air Force Requirement  
Air National Guard Requirement  
Air Force Reserve Requirement

TOTAL REQUIREMENT

APPROVED ACQUISITION OBJECTIVE

PROCUREMENT REQUIREMENT

Total FY96 Requirement  
Less Net Assets  
Required FY96 Procurement  
Planned FY96 Procurement  
  
Total FY97 Requirement  
Less Net Assets  
Less FY96 Planned Proc  
Required FY97 Procurement  
Planned FY97 Procurement

P-1 SHOPPING LIST  
ITEM NO.

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## REQUIREMENTS STUDY

DATE: FEBRUARY 1995

P-1 ITEM NOMENCLATURE: COMPASS CALIBRATOR MC -2000

NSN: 4920-01-328-3419NT

APPROPRIATION / BUDGET ACTIVITY  
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

### ASSETS

On Hand as of 31 Mar 94  
Due-In w/all Prior Years' Funds  
Due-In w/FY96 Funds  
TOTAL ASSETS:

### DISPOSALS (Planned & Projected thru FY97 FDP)

FY96 since as of date:  
FY97:  
FY98:  
FY99:  
FY00:  
TOTAL DISPOSALS ( 48 MONTHS)  
PROCUREMENT LEADTIME: 7 months

### NET ASSETS:

### ACTUAL TRAINING EXPENDITURE

FY96  
FY95  
FY94  
FY93  
FY92

### ACTUAL OTHER THAN TRAINING EXPENDITURE

FY96  
FY95  
FY94  
FY93  
FY92

### REMARKS:

### INVENTORY OBJECTIVE

Number of Combat Loads  
Assets Required for Combat Loads  
Combat Expenditures  
War Reserve Requirement  
Annual Training  
Annual Testing  
Maintenance Pipeline  
Air Force Requirement  
Air National Guard Requirement  
Air Force Reserve Requirement

### TOTAL REQUIREMENT

### APPROVED ACQUISITION OBJECTIVE

### PROCUREMENT REQUIREMENT

Total FY97 Requirement  
Less Net Assets  
Required FY97 Procurement  
Planned FY97 Procurement

Total FY98 Requirement  
Less Net Assets  
Less FY97 Planned Proc  
Required FY98 Procurement  
Planned FY98 Procurement

P-1 SHOPPING LIST  
ITEM NO.

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## DATE: FEBRUARY 1995

**BUDGET ITEM JUSTIFICATION  
(EXHIBIT P-40)**

BUDGET ITEM JUSTIFICATION		P-1 ITEM NOMENCLATURE Oxygen Regulator Tester NSN: 4920-01-321-1839						
(EXHIBIT P-40)								
APPROPRIATION/BUDGET ACTIVITY								
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT								
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	1	269	0	0	0	0	0
UNIT (In Mil)	\$0.000	\$0.018	\$5.113	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000

**A. DESCRIPTION/FUNCTION:** The Oxygen Regulator Tester was introduced to the Air Force inventory in support of Combat Edge (F-16) and Molecular Sieve Oxygen Generating System (F-15) test requirements. This tester was required because the old regulator tester did not have positive breathing gas test capability. Oklahoma City Air Logistics Center has informed all Major Commands that the old tester is no longer authorized for testing MD-1 panel mounted oxygen regulators due to unreliable results and possible damage occurring during testing. The tester is used in preflight checks of the oxygen regulator and related equipment while mounted on the aircraft. The regulator is part of a life support system, and this tester ultimately provides the means to determine if the correct quantity of oxygen is being provided.

**B. PURPOSE OF PROCUREMENT:** Due to the unreliability of the current oxygen regulator tester and the possibility of damage to equipment with its use, correct quantity of oxygen is being provided.

**NOTIFICATION:** All Air Force aircraft requiring onboard oxygen regulator testing.

**D. REQUIREMENTS: FY96 - 133 shortages  
- 136 replacements**

- 136 replacements

**E. IMPACT:** This essential life support system tester supports all oxygen regulators in the Air Force inventory. Onboard oxygen regulator system testing is required to ensure adequate oxygen pressure is available to aircrews under all flight conditions. Without proper testing, aircrews will be subject to possible hypoxia and unconsciousness, ultimately leading to loss of aircraft and lives.

**F. TYPE ITEM: A**

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## BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)

(Cost in thousands of dollars)

B. APPROPRIATION/BUDGET ACTIVITY							C. P-1 ITEM NOMENCLATURE				A. DATE	
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT							OXYGEN REGULATOR TESTER				FEBRUARY 1995	
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPEC AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL		
	UNKNOWN	C/FFP	AFMC/SA-ALC	APR 95	FEB 96	1		YES	NO			
	UNKNOWN	OPTION	AFMC/SA-ALC	APR 96	SEP 96	269		YES	NO			

FY95  
FY96

D. REMARKS  
\* UNITS COST FOR FY 95 AND FY96 BASED ON FY92 BUDGET PROGRAM 1100 (AIRCRAFT MODIFICATIONS) CONTRACT UNIT COST INFLATED BY RESPECTIVE INDICES.

P-1 SHOPP LIST ITEM NO.		PAGE NO.	Exhibit P-5a Procurement History and Planning	175
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## REQUIREMENTS STUDY

DATE: FEBRUARY 1995

### P-1 ITEM NOMENCLATURE: OXYGEN REGULATOR TESTER

APPROPRIATION / BUDGET ACTIVITY  
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

NSN: 4920-01-321-1839

<u>ASSETS</u>		<u>INVENTORY OBJECTIVE</u>	
On Hand as of 31 Mar 94	335	Number of Combat Loads	
Due-In w/all Prior Years' Funds	7	Assets Required for Combat Loads	
Due-In w/FY95 Funds	1	Combat Expenditures	
TOTAL ASSETS:	343	War Reserve Requirement	
		Annual Training	
		Annual Testing	
		Maintenance Pipeline	316
		Air Force Requirement	128
		Air National Guard Requirement	39
		Air Force Reserve Requirement	
		TOTAL REQUIREMENT	483

### APPROVED ACQUISITION OBJECTIVE

207	483
-----	-----

### PROCUREMENT REQUIREMENT

	Total FY96 Requirement	207
	Less Net Assets	276
	Required FY96 Procurement	269
	Planned FY96 Procurement	

	Total FY97 Requirement	
	Less Net Assets	
	Less FY96 Planned Proc	
	Required FY97 Procurement	
	Planned FY97 Procurement	

### ACTUAL OTHER THAN TRAINING EXPENDITURE

FY95	
FY94	
FY93	
FY92	
FY91	

REMARKS: REMAINING 7 UNITS REQUIRED IN FY96 WILL BE PROCURED BY BP10 (C-17 INITIAL REQUIREMENTS).

P-1 SHOPPING LIST  
ITEM NO.

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# UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE FEBRUARY 1995
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE					Purge Unit
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT		NSN: 3655-00-429-2896					
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000
QUANTITY	1	0	296	0	16	0	0
COST (In Mil)	\$0.180	\$0.000	\$3.425	\$0.000	\$0.310	\$0.000	\$0.000
							FY 2001
							0
							\$0.000

- A. DESCRIPTION/FUNCTION: The Purge Unit is used to evacuate and dehumidify liquid oxygen (LOX) and nitrogen (LIN) storage tanks during maintenance. The unit is trailer mounted for transport on the flightline. The unit consists of an electric motor and pulley driven blower, 6 kilowatt heater, and pressure lines. Air is drawn through elemental filters, forced into metal tubing, heated to 350 degrees and pressurized for discharge into the LOX/LIN tank undergoing maintenance.
- B. PURPOSE OF PROCUREMENT: To fill shortages and replace 20 - 30 year old equipment that is rapidly becoming unsupportable and obsolete.
- C. APPLICATION: Aircraft supported by this equipment include the B-1B, C-5, C-130, C-135, C-141, F-15, and F-16.
- D. REQUIREMENTS: FY96 - 90 shortages  
- 206 replacements
- E. IMPACT: Purge Units are used for direct aircraft maintenance as well as maintenance on storage and transport tanks for LOX production in support of life support and medical activities. LIN storage and transport tanks must be moisture free to prevent injection of moisture into aircraft accumulators, struts and tires. The currently in-use, obsolete method/equipment for purging moisture is 20 - 30 years old. If replacement Purge Units are not made available to perform this function properly, equipment and personnel safety is jeopardized.



# UNCLASSIFIED

## WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)

(Cost in thousands of dollars)

D. DATE  
FEBRUARY 1995

C. MANUFACTURER NAME/PLANT/CITY/STATE  
LOCATION  
PACIFIC CONSOLIDATED  
ORANGE, CA

B. WEAPON MODEL/SERIES/ POPULAR NAME

PURGE UNIT

NSN: 3655-00-429-2896

A. APPROPRIATION/BUDGET ACTIVITY

TITLE/NO.

AIRCRAFT PROCUREMENT, COMMON  
SUPPORT EQUIPMENT

Weapon System Cost Elements	IDENT CODE	FY 1994			FY 1995			FY 1996			FY 1997		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST

PURGE UNIT

TECHNICAL DATA

FIRST ARTICLE TEST PLAN/DOC

TOTAL

A	1	38	38										
			27										
			115										
			180										

296	12	3,425					

Exhibit P-5 Weapon System Cost Analysis

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BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)										A. DATE FEBRUARY 1995	
(Cost in thousands of dollars)											
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE PURGE UNIT						
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT					NSN: 3655-00-429-2896						
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL	
FY96	PACIFIC PACIFIC	C/FFP OPTION	AFMC/SA-ALC AFMC/SA-ALC	JUL 94 NOV 95	DEC 95 MAR 96	1' 296	38 12**	YES	NO		
	PACIFIC CONSOLIDATED ORANGE, CA										

## D. REMARKS

\* FIRST ARTICLE QUANTITY  
-- UNIT COST BASED ON FY94 REQUIREMENTS CONTRACT

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Exhibit P-5a Procurement History and Planning

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FY07 BUDGET PRODUCTION SCHEDULE																		DATE: FEBRUARY 1995											
ITEM/MFG PROCUREMENT YEAR						FISCAL YEAR 96												FISCAL YEAR 97											
						CALENDAR YEAR 96												CALENDAR YEAR 97											
S	E	R	V	QTY	PRIOR DUE	04	04	04	04	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
						04	04	04	04																				
FY04				AF	1	1																							
FY06				AF	296	0 296																							
FY04				FMS	20	0 20																							
FY06 (BP10 Initial)				AF	7	0 7																							
TOTAL					324	0 324																							
MANUFACTURER'S NAME AND LOCATION						PROCUREMENT LEAD TIME												TOTAL AFTER 1 OCT											
PACIFIC CONSOLIDATED ORANGE, CA						ADMIN LEAD TIME						MANUFACTURING TIME						PR 1 OCT AFT 1 OCT											
						INITIAL						REORDER						1 4 5											

UNCLASSIFIED

REQUIREMENTS STUDY

DATE: FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY  
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE: PURGE UNIT

NSN: 3655-00-429-2896

ASSETS

On Hand as of 31 Mar 94  
Due-In w/all Prior Years' Funds  
Due-In w/FY95 Funds

TOTAL ASSETS:

DISPOSALS (Planned & Projected thru FY96 FDP)

FY95 since as of date:

FY96:  
FY97:  
FY98:  
FY99:

TOTAL DISPOSALS ( 34 MONTHS)

PROCUREMENT LEADTIME: 5 months

NET ASSETS:

ACTUAL TRAINING EXPENDITURE

FY95  
FY94  
FY93  
FY92  
FY91

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY95  
FY94  
FY93  
FY92  
FY91

REMARKS: VARIANCE BETWEEN FY96 REQUIRED AND PLANNED PROCUREMENT DUE TO 16 WRM SHORTAGES DEFERRED TO FY98 AND 7 INITIAL REQUIREMENTS FUNDED BY BP10 (F-16C/D).

INVENTORY OBJECTIVE

Number of Combat Loads  
Assets Required for Combat Loads  
Combat Expenditures  
War Reserve Requirement  
Annual Training  
Annual Testing  
Maintenance Pipeline  
Air Force Requirement  
Air National Guard Requirement  
Air Force Reserve Requirement

TOTAL REQUIREMENT

APPROVED ACQUISITION OBJECTIVE

PROCUREMENT REQUIREMENT

Total FY96 Requirement  
Less Net Assets  
Required FY96 Procurement  
Planned FY96 Procurement  
  
Total FY97 Requirement  
Less Net Assets  
Less FY96 Planned Proc  
Required FY97 Procurement  
Planned FY97 Procurement

P-1 SHOPPING LIST  
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Exhibit P-20 Requirements Study

**BUDGET ITEM JUSTIFICATION  
(EXHIBIT P-40)**

DATE: FEBRUARY 1995

BUDGET ITEM JUSTIFICATION										(EXHIBIT P-40)										P-1 ITEM NOMENCLATURE										Hydraulic Pumping Unit, AF/M27M-1 NSN 4320-00-914-1120YZ																																																																																									
APPROPRIATION/BUDGET ACTIVITY										AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT										FY 1997										FY 1998										FY 1999										FY 2000										FY 2001																																																											
										FY 1994										FY 1995										FY 1996																																																																																									
										0										65										186										0										6										0										0										0										0																													
QUANTITY										\$0.000										\$1.601										\$4.580										\$0.000										\$0.187										\$0.000										\$0.000										\$0.000										\$0.000																													
COST (In Mil)																																																																																																																							

A. DESCRIPTION/FUNCTION: The AF/M27M-1 Hydraulic Pumping Unit is used for various aircraft jacking operations. This unit is completely self-contained, mobile, and protected from climatic conditions by a weatherproof housing. Pressure is provided by a four piston axial constant volume hydraulic pump, capable of delivering four gallons per minute at 3,000 pounds per square inch gauged continuously when used with MIL -H-5606 hydraulic fluid. The unit is driven by a two-cylinder diesel engine directly coupled to the pump through a flexible coupling. The pump is driven at 2200 revolutions per minute. Hydraulic fluid is delivered by the pump to nine (9) hose assemblies coiled on three hose reels contained within the housing of the pumping unit. A manual selector valve is included to control the various jacking operations. The entire unit is permanently mounted on a four wheeled pneumatic-tired trailer. The trailer is fitted with a hinged towbar and is designed to be towed at speeds up to 20 miles per hour over paved runways and highways. The unit is approximately 86 inches long, 58 inches wide, and 51 inches high. It weighs approximately 2,400 pounds.

**B. PURPOSE OF PROCUREMENT:** FY95 funding begins a procurement program that will replace all current gasoline driven hydraulic pumping units that are currently in the inventory. These units have reached the end of their service life and are experiencing increasing breakdowns and unavailability of parts. This procurement program will also standardize the hydraulic pumping unit fleet, provide a less costly spares inventory and provide for higher reliability.

C. APPLICATION: The Hydraulic Pumping Unit is used for jacking operations on all large cargo type aircraft as well as the B-1B and B-52H bombers and the E-3A and C-135 series aircraft.

**REQUIREMENT:** FY96 - 22 shortages and 164 replacements

E. IMPACT: Without procurement of the AFM27M-1, the Air Force will increasingly experience downtime for its large aircraft fleet due to lack of jacking capability. Maintenance personnel will have to revert to time consuming manual jacking operations. In addition, timely response to emergencies involving the requirement to lift/jack damages aircraft due to blown tires or collapsed struts on landing will be nearly impossible. Life and property may be placed in jeopardy.

F. TYPE ITEM: A

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BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)							A. DATE FEBRUARY 1995			
(Cost in thousands of dollars)										
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT				C. P-1 ITEM NOMENCLATURE HYDRAULIC PUMPING UNIT, AF/M27M-1 NSN 4320-00-914-1120YZ						
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY82	HECO DIVISION	C/FFP	AFMC/SA-ALC	FEB 93	MAR 95	1	40,476	YES	NO	
FY85	HECO DIVISION	OPTION	AFMC/SA-ALC	FEB 95	SEP 95	65	24,626	YES	NO	
FY86	HECO DIVISION	OPTION	AFMC/SA-ALC	OCT 95	MAY 96	186	24,626	YES	NO	
	BARKER ROCKFORD CO, HECO DIVISION PALATINE, IL									

D. REMARKS  
\*FY85 AND FY86 UNIT COSTS BASED ON MODIFICATION OF FY92 C/FFP WITH UNIT COSTS OF \$24,626.00 FOR QUANTITIES 21 OR GREATER.

Exhibit P-5a Procurement History and Planning

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# UNCLASSIFIED

## REQUIREMENTS STUDY

DATE: FEBRUARY 1995

P-1 ITEM NOMENCLATURE: HYDRAULIC PUMPING UNIT, AF/M27M-1  
NSN 4320-00-914-1120YZ

APPROPRIATION / BUDGET ACTIVITY  
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

### ASSETS

On Hand as of 31 Mar 94  
Due-In w/all Prior Years' Funds  
Due-In w/FY95 Funds  
TOTAL ASSETS:

### DISPOSALS (Planned & Projected thru FY96 FDP)

FY95 since as of date:  
FY96:  
FY97:  
FY98:  
FY99:  
TOTAL DISPOSALS ( 21 MONTHS)  
PROCUREMENT LEADTIME: 7 months

NET ASSETS:

### ACTUAL TRAINING EXPENDITURE

FY95  
FY94  
FY93  
FY92  
FY91

### ACTUAL OTHER THAN TRAINING EXPENDITURE

FY95  
FY94  
FY93  
FY92  
FY91

REMARKS: VARIANCE BETWEEN REQUIRED AND PLANNED FY96 PROCUREMENT IS DUE TO 15 BP10 FUNDED INITIAL REQUIREMENTS FOR THE C-17  
AND THE DEFERRAL OF 4 WRM SHORTAGES TO FY98.

### INVENTORY OBJECTIVE

Number of Combat Loads  
Assets Required for Combat Loads  
Combat Expenditures  
War Reserve Requirement  
Annual Training  
Annual Testing  
Maintenance Pipeline  
Air Force Requirement  
Air National Guard Requirement  
Air Force Reserve Requirement

TOTAL REQUIREMENT

### APPROVED ACQUISITION OBJECTIVE

### PROCUREMENT REQUIREMENT

Total FY96 Requirement  
Less Net Assets  
Required FY96 Procurement  
Planned FY96 Procurement

Total FY97 Requirement  
Less Net Assets  
Less FY96 Planned Proc  
Required FY97 Procurement  
Planned FY97 Procurement

P-1 SHOPPING LIST  
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Exhibit P-20 Requirements Study

# UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)										DATE: FEBRUARY 1995	
P-1 ITEM NOMENCLATURE Hydraulic Test Stand, 3 System, Electric NSN: 4920-01-380-4744											
APPROPRIATION/BUDGET ACTIVITY											
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT											
FY 1994		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999	
0		0		2		37		121		0	
\$0.000		\$0.000		\$0.441		\$1.813		\$6.107		\$0.000	
QUANTITY											
ST (In Mil)											
										FY 2001	
										0	
										\$0.000	
										\$0.000	

- A. DESCRIPTION/FUNCTION:** The Hydraulic Test Stand, 3 System is a trailer mounted, electric powered unit. Dimensions are 61 inches high by 60 inches wide by 96 inches in length. Fully loaded it will weigh 4,900 pounds. The major components consist of a hydraulic system, control panel, fan/blower, electric motor, trailer and housing. This unit is used in aircraft maintenance hangars to pressurize aircraft hydraulic systems where it would be unsafe to use the diesel powered hydraulic test stand, the aircrafts engines or auxiliary power unit. This pressurization allows a functional check of the flight control systems and landing gear operations prior to aircraft flight.
- B. PURPOSE OF PROCUREMENT:** Current 3 system hydraulic test stands average 26 years in age and consist of 4 national stock numbers and configurations. All have exceeded their service life of 20 years and many of them are quickly becoming difficult to maintain. Due to the numerous configurations, the supply system is required to maintain multiple replacement items. Maintenance personnel required to operate and maintain these units have to be trained on all. Procurement of this new unit will provide increased reliability and standardization as well as decreased O&M and training costs.
- C. APPLICATION:** All Air Force aircraft requiring 3 system hydraulic support.
- D. REQUIREMENTS:** FY96 - 2 (First Articles)  
FY97 - 37 replacements
- E. IMPACT:** Without these replacements, O&M and training costs will continue to escalate. Lack of reliable, maintainable 3 system hydraulic test stands will greatly hamper the efficiency and safety of the fighter, rescue and recovery and special operations forces. Inadequate testing of flight controls and landing gears could lead to loss of aircrews and aircraft.

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)										D. DATE				
(Cost in thousands of dollars)										FEBRUARY 1995				
A. APPROPRIATION/BUDGET ACTIVITY		B. WEAPON MODEL/SERIES/ POPULAR NAME				C. MANUFACTURER NAME/PLANT/ CITY/STATE								
TITLE/NO.		HYDRAULIC TEST STAND, 3 SYSTEM, ELECTRIC				LOCATION								
AIRCRAFT PROCUREMENT, COMMON		NSN: 4920-01-380-4744				UNKNOWN								
SUPPORT EQUIPMENT														
Weapon System Cost Elements		FY 1994			FY 1995			FY 1996			FY 1997			
IDENT CODE		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	
HYDRAULIC TEST STAND		A						2		95	190		49	1,813
TECHNICAL DATA											251			
TOTAL											441			1,813

Exhibit P-5 Weapon System Cost Analysis

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# UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)										A. DATE FEBRUARY 1995	
(Cost in thousands of dollars)											
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE					HYDRAULIC TEST STAND, 3	
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT					SYSTEM, ELECTRIC NSN: 4920-01-380-4744						
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPEC AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL	
	UNKNOWN	C/FFP	AFMC/SA-ALC	DEC 95	APR 97	2		95*	YES	NO	
	UNKNOWN	OPTION	AFMC/SA-ALC	MAY 97	JAN 98	37		49*	YES	NO	

FY97

D. REMARKS  
\* UNIT COST FOR FY96 (FIRST ARTICLE) AND FY97 ARE BASED ON ENGINEERING ESTIMATE.

P-1 SHOPP LIST ITEM NO.		PAGE NO.	Exhibit P-5a Procurement History and Planning
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# UNCLASSIFIED

## REQUIREMENTS STUDY

DATE: FEBRUARY 1995

P-1 ITEM NOMENCLATURE: HYDRAULIC TEST STAND, 3 SYSTEM ELECTRIC  
NSN 4920-01-380-4744

APPROPRIATION / BUDGET ACTIVITY  
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

### ASSETS

On Hand as of 31 Mar 94  
Due-In w/all Prior Years' Funds  
Due-In w/FY95 Funds  
TOTAL ASSETS:

### DISPOSALS (Planned & Projected thru FY96 FDP)

FY95 since as of date:  
FY96:  
FY97:  
FY98:  
FY99:  
TOTAL DISPOSALS ( 54 MONTHS)  
PROCUREMENT LEADTIME: 12 months

NET ASSETS:

### ACTUAL TRAINING EXPENDITURE

FY95  
FY94  
FY93  
FY92  
FY91

### ACTUAL OTHER THAN TRAINING EXPENDITURE

FY95  
FY94  
FY93  
FY92  
FY91

REMARKS: FY96 PROCUREMENT IS FOR TWO FIRST ARTICLES ONLY.

### INVENTORY OBJECTIVE

Number of Combat Loads  
Assets Required for Combat Loads  
Combat Expenditures  
War Reserve Requirement  
Annual Training  
Annual Testing  
Maintenance Pipeline  
Air Force Requirement  
Air National Guard Requirement  
Air Force Reserve Requirement

TOTAL REQUIREMENT

### APPROVED ACQUISITION OBJECTIVE

### PROCUREMENT REQUIREMENT

Total FY96 Requirement  
Less Net Assets  
Required FY96 Procurement  
Planned FY96 Procurement

Total FY97 Requirement  
Less Net Assets  
Less FY96 Planned Proc  
Required FY97 Procurement  
Planned FY97 Procurement

P-1 SHOPPING LIST  
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Exhibit P-20 Requirements Study

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REQUIREMENTS STUDY

DATE: FEBRUARY 1995

P-1 ITEM NOMENCLATURE: HYDRAULIC TEST STAND, 3 SYSTEM, ELECTRIC NSN:  
4920-01-380-4744

APPROPRIATION / BUDGET ACTIVITY  
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

ASSETS

On Hand as of 31 Mar 94  
Due-In w/all Prior Years' Funds  
Due-In w/FY96 Funds  
TOTAL ASSETS:

USAGE (Planned & Projected thru FY97 FDP)

FY96 since as of date:  
FY97:  
FY98:  
FY99:  
FY00:  
TOTAL USAGE ( 54 MONTHS)  
PROCUREMENT LEADTIME: 12 months

NET ASSETS:

ACTUAL TRAINING EXPENDITURE

FY96  
FY95  
FY94  
FY93  
FY92

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY96  
FY95  
FY94  
FY93  
FY92

REMARKS: VARIANCE BETWEEN TOTAL FY97 REQUIRED AND PLANNED PROCUREMENT DUE TO PRODUCIBILITY.

INVENTORY OBJECTIVE

Number of Combat Loads  
Assets Required for Combat Loads  
Combat Expenditures  
War Reserve Requirement  
Annual Training  
Annual Testing  
Maintenance Pipeline  
Air Force Requirement  
Air National Guard Requirement  
Air Force Reserve Requirement

TOTAL REQUIREMENT

APPROVED ACQUISITION OBJECTIVE

PROCUREMENT REQUIREMENT

Total FY97 Requirement  
Less Net Assets  
Required FY97 Procurement  
Planned FY97 Procurement

Total FY98 Requirement  
Less Net Assets  
Less FY97 Planned Proc  
Required FY98 Procurement  
Planned FY98 Procurement

P-1 SHOPPING LIST  
ITEM NO.

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# UNCLASSIFIED

UNCLASSIFIED										DATE: FEBRUARY 1995						
BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)																
APPROPRIATION/BUDGET ACTIVITY			P-1 ITEM NOMENCLATURE Hydraulic Test Stand, 3 System, Diesel NSN: 4920-01-380-7460													
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT			FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001	
			0		2		20		117		75		0		0	
QUANTITY			0		2		20		117		75		0		0	
COST (In Mil)			\$0.000		\$ 639		\$ .980		\$5.905		\$3.899		\$0.000		\$0.000	

# UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)										D. DATE FEBRUARY 1995		
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.		B. WEAPON MODEL/SERIES/ POPULAR NAME HYDRAULIC TEST STAND, 3 SYSTEM, DIESEL NSN: 4920-01-380-7460		C. MANUFACTURER NAME/PLANT/ CITY/STATE LOCATION UNKNOWN								
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT												
Weapon System Cost Elements		FY 1984		FY 1995		FY 1996		FY 1997				
IDENT CODE	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST

HYDRAULIC TEST STAND TECHNICAL DATA	A											
TOTAL							2		95	190	20	49
										449		
										639		
												980
												980

P-1 SHOPP LIST ITEM NO.		PAGE NO.	Exhibit P-5 Weapon System Cost Analysis	196
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# UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)										A. DATE FEBRUARY 1995	
(Cost in thousands of dollars)											
C. P-1 ITEM NOMENCLATURE HYDRAULIC TEST STAND, 3 SYSTEM, DIESEL NSN: 4920-01-380-7460											
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT											
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL	
FY96	UNKNOWN	C/FFP	AFMC/SA-ALC	DEC 95	APR 97	2	95*	YES	NO		
FY97	UNKNOWN	OPTION	AFMC/SA-ALC	JUN 97	JAN 98	20	49	YES	NO		

D. REMARKS  
\* UNIT COSTS FOR FY96 (FIRST ARTICLE) AND FY97 ARE BASED ON ENGINEER ESTIMATE.

Exhibit P-5a Procurement History and Planning

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FY 96/97 PRODUCTION SCHEDULE		P-1 ITEM NOMENCLATURE: HYDRAULIC TEST STAND, 3 SYSTEM, DIESEL												DATE: FEBRUARY 1995																								
ITEM/MANUFACTURER/PROCUREMENT YEAR		FISCAL YEAR 98												FISCAL YEAR 99												FISCAL YEAR 00												
		CALENDAR YEAR 98												CALENDAR YEAR 99												CALENDAR YEAR 00												
		97	97	97										97	97	97										97	97	97										
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
FY 97						5	5	5	5																													
FY 97 (FMS)					5	5	5	5	3																													
TOTAL		0	0	0	10	10	10	10	10	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
REMARKS		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

P-1 SHOPPING LIST

UNCLASSIFIED

# UNCLASSIFIED

## REQUIREMENTS STUDY

DATE: FEBRUARY 1995

P-1 ITEM NOMENCLATURE: HYDRAULIC TEST STAND, 3 SYSTEM DIESEL  
NSN 4920-01-380-7460

APPROPRIATION / BUDGET ACTIVITY  
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

### ASSETS

On Hand as of 31 Mar 94  
Due-In w/all Prior Years' Funds  
Due-In w/FY95 Funds  
TOTAL ASSETS:

### DISPOSALS (Planned & Projected thru FY96 FDP)

FY95 since as of date:  
FY96:  
FY97:  
FY98:  
FY99:  
TOTAL DISPOSALS ( 54 MONTHS)  
PROCUREMENT LEADTIME: 12 months

### NET ASSETS:

### ACTUAL TRAINING EXPENDITURE

FY95  
FY94  
FY93  
FY92  
FY91

### ACTUAL OTHER THAN TRAINING EXPENDITURE

FY95  
FY94  
FY93  
FY92  
FY91

REMARKS: FY96 PROCUREMENT IS FOR TWO FIRST ARTICLES ONLY.

### INVENTORY OBJECTIVE

Number of Combat Loads  
Assets Required for Combat Loads  
Combat Expenditures  
War Reserve Requirement  
Annual Training  
Annual Testing  
Maintenance Pipeline  
Air Force Requirement  
Air National Guard Requirement  
Air Force Reserve Requirement

### TOTAL REQUIREMENT

### APPROVED ACQUISITION OBJECTIVE

### PROCUREMENT REQUIREMENT

Total FY96 Requirement  
Less Net Assets  
Required FY96 Procurement  
Planned FY96 Procurement

### TOTAL FY97 Requirement

Less Net Assets  
Less FY96 Planned Proc  
Required FY97 Procurement  
Planned FY97 Procurement

P-1 SHOPPING LIST  
ITEM NO.

UNCLASSIFIED

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Exhibit P-20 Requirements Study

UNCLASSIFIED

REQUIREMENTS STUDY

DATE: FEBRUARY 1995

P-1 ITEM NOMENCLATURE: HYDRAULIC TEST STAND, 3 SYSTEM DIESEL  
NSN: 4920-01-380-7460

APPROPRIATION / BUDGET ACTIVITY  
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

ASSETS

On Hand as of 31 Mar 94  
Due-In w/all Prior Years' Funds  
Due-In w/FY96 Funds

TOTAL ASSETS:

DISPOSALS (Planned & Projected thru FY97 FDP)

FY96 since as of date:

FY97:

FY98:

FY99:

FY00:

TOTAL DISPOSALS ( 54 MONTHS)

PROCUREMENT LEADTIME: 12 months

NET ASSETS:

ACTUAL TRAINING EXPENDITURE

FY96

FY95

FY94

FY93

FY92

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY96

FY95

FY94

FY93

FY92

REMARKS:

INVENTORY OBJECTIVE

Number of Combat Loads  
Assets Required for Combat Loads  
Combat Expenditures  
War Reserve Requirement  
Annual Training  
Annual Testing  
Maintenance Pipeline  
Air Force Requirement  
Air National Guard Requirement  
Air Force Reserve Requirement

TOTAL REQUIREMENT

APPROVED ACQUISITION OBJECTIVE

PROCUREMENT REQUIREMENT

Total FY97 Requirement  
Less Net Assets  
Required FY97 Procurement  
Planned FY97 Procurement

Total FY98 Requirement  
Less Net Assets  
Less FY97 Planned Proc  
Required FY98 Procurement  
Planned FY98 Procurement

P-1 SHOPPING LIST  
ITEM NO.

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# UNCLASSIFIED

UNCLASSIFIED									
BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE: FEBRUARY 1985	
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE Test Stand, Hydraulic Component					
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT				NSN: 4920-00-450-0553					
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	
			2	0	84	84	59	0	
QUANTITY	0	0							
\$T (In Mil)	\$0.000	\$0.000	\$ .720	\$0.000	\$8.652	\$8.912	\$6.449	\$0.000	

A. DESCRIPTION/FUNCTION: The Hydraulic Component Test Stand is comprised of two parts. The first section is the drive console which houses a drive panel, pump mounting pad, and skid that contains a variable speed direct current electric drive motor with associated parts. It also contains a high pressure system hydraulic pump with electric drive motor, volume control, high pressure filter, and ripple filter. The second section is a control console containing controls, indicators, and ports used during test stand operation. The stand is used to check serviceability of aircraft components prior to installation, pressure check locally manufactured hoses, and test repaired aircraft hydraulic components.

B. PURPOSE OF PROCUREMENT: Current test stands will have exceeded their service life by 5 to 10 years by beginning of production deliveries. Most are becoming increasingly difficult and costly to maintain. This will be a total inventory replacement procurement program.

C. APPLICATION: All Air Force maintained aircraft.

D. REQUIREMENTS: FY96 - 2 (First Articles)

E. IMPACT: Failure to procure this Hydraulic Component Test Stand will result in the continued costly repair of old, worn out units, and high manhour expenditures. Current stands have many parts that are no longer available through the supply system due to obsolescence. The newer aircraft in the inventory have hydraulic pressure requirements in the upper limits of the current stands and may well exceed these limits soon. Lack of proper hydraulic testing could result in possible failure of aircraft components, damage to equipment and aircraft as well as the loss of aircraft and aircrew lives.

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ITEM NO.

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)										D. DATE	
(Cost in thousands of dollars)										FEBRUARY 1995	
A. APPROPRIATION/BUDGET ACTIVITY		B. WEAPON MODEL/SERIES/ POPULAR NAME			C. MANUFACTURER NAME/PLANT/ CITY/STATE						
TITLE/NO.		TEST STAND, HYDRAULIC COMPONENT			LOCATION						
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT		NSN: 4920-00-450-0553			UNKNOWN						
Weapon System Cost Elements		FY 1994		FY 1995		FY 1996		FY 1997			
IDENT CODE		QTY	UNIT COST	QTY	UNIT COST	QTY	UNIT COST	QTY	UNIT COST	TOTAL COST	
TEST STAND, HYDRAULIC COM											
TECHNICAL DATA											
TOTAL						2	250			500	
										220	
										720	

Exhibit P-5 Weapon System Cost Analysis

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ITEM NO.

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BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)							A. DATE FEBRUARY 1995			
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT							C. P-1 ITEM NOMENCLATURE TEST STAND, HYDRAULIC COMPONENT NSN: 4920-00-450-0553			
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
	UNKNOWN	C/FFP	AFMC/SA-ALC	MAR 96	JUL 97	2	250*	YES	NO	

FY96

D. REMARKS  
\* FY96 FIRST ARTICLE UNIT COSTS BASED ON ENGINEERING ESTIMATE.

P-1 SHOPP LIST ITEM NO.	PAGE NO.	Exhibit P-5a Procurement History and Planning	204
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REQUIREMENTS STUDY

DATE: FEBRUARY 1995

APPROPRIATION / BUDGET ACTIVITY  
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE:  
TEST STAND, HYDRAULIC COMPONENT NSN: 4920-00-450-0553

ASSETS

On Hand as of 31 Mar 94  
Due-In w/all Prior Years' Funds  
Due-In w/FY95 Funds  
TOTAL ASSETS:

232  
0  
0  
232

DISPOSALS (Planned & Projected thru FY96 FDP)

FY95 since as of date:  
FY96:  
FY97:  
FY98:  
FY99:  
TOTAL DISPOSALS ( 40 MONTHS)  
PROCUREMENT LEADTIME: 22 months

0  
0  
  
  
0

TOTAL REQUIREMENT

251

APPROVED ACQUISITION OBJECTIVE

251

NET ASSETS:

ACTUAL TRAINING EXPENDITURE

FY95  
FY94  
FY93  
FY92  
FY91

232

PROCUREMENT REQUIREMENT

Total FY96 Requirement  
Less Net Assets  
Required FY96 Procurement  
Planned FY96 Procurement

251  
232  
19  
2

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY95  
FY94  
FY93  
FY92  
FY91

Total FY97 Requirement  
Less Net Assets  
Less FY96 Planned Proc  
Required FY97 Procurement  
Planned FY97 Procurement

REMARKS: THIS IS A COMPLETE INVENTORY REPLACEMENT PROGRAM. MANUFACTURING LEAD TIME PRECLUDES PROCUREMENT OF OTHER THAN  
2 FIRST ARTICLE UNIT IN FY96; FULL SCALE PRODUCTION PROGRAMMED TO START IN FY98.

P-1 SHOPPING LIST  
ITEM NO.

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UNCLASSIFIED

Exhibit P-20 Requirements Study

# UNCLASSIFIED

## BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)

DATE: FEBRUARY 1995

APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE Ultrasonic Flaw Detector System				
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT		NSN: 6635-01-363-6674				
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
QUANTITY	0	0	144	134	0	0
COST (in Mil)	\$0.000	\$0.000	\$2.435	\$2.337	\$0.000	\$0.000
						FY 2001
						0
						\$0.000

A. DESCRIPTION/FUNCTION: The Ultrasonic Flaw Detector System will be used to inspect structurally critical aircraft components for small defects. The instrument will provide the following features: A square wave pulser for electronic damping which will provide both resolution and penetration while maintaining output impedance; large, high resolution cathode-ray tube to provide greater visual resolution; on board digital thickness gauge and data logger for accurate measurement down to 0.01 inch of aluminum; on board real time digital mass data recording; and horizontal or vertical linearity and gain accuracy/repeatability compatible with the new probability of detection requirements.

B. PURPOSE OF PROCUREMENT: Total replacement procurement program to achieve state-of-the-art technology flaw detection. Current flaw detectors are becoming obsolete, with many exceeding their useful service life. This single unit will replace 5 other stock listed flaw detectors.

C. APPLICATION: Used in Non-Destructive Inspection (NDI) laboratories throughout the Air Force in support of all aircraft.

D. REQUIREMENTS: FY96 - 144 replacements  
FY97 - 134 replacements

E. IMPACT: State-of-the-art ultrasonic flaw detectors are needed to keep pace with the introduction of new materials used in the construction of Air Force aircraft. The quality of these new materials and aircraft are quickly exceeding the capability of the current flaw detectors. Flight safety and the lives of aircrew members could be jeopardized without the availability of this new state-of-the-art flaw detector.

F. TYPE ITEM: A

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# UNCLASSIFIED

## UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)						A. DATE FEBRUARY 1995	
(Cost in thousands of dollars)						C. P-1 ITEM NOMENCLATURE ULTRASONIC FLAW DETECTOR SYSTEM NSN: 6635-01-363-6674	
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT							
Cost Element/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST
FY92	STAVELY	C/FFP	AFMC/SA-ALC	NOV 92	AUG 93	2	15.5
FY93	UNKNOWN	C/FFP	AFMC/SA-ALC	APR 95	AUG 95	30	15.5*
FY96	UNKNOWN	OPTION	AFMC/SA-ALC	MAY 96	NOV 96	144	16.9
FY97	UNKNOWN	OPTION	AFMC/SA-ALC	DEC 96	JUN 97	134	17
	421 NORTH QUAY ST KENNEWICK, WA						

D. REMARKS  
\* FY93 UNIT COST ESTIMATE BASED ON FY92 CONTRACT PRICE. FY96 AND FY97 UNIT COSTS BASED ON FY93 UNIT COST INFLATED BY RESPECTIVE INFLATION INDICES.

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Exhibit P-5a Procurement History and Planning

PAGE NO.

P-1 SHOPP LIST  
ITEM NO.

UNCLASSIFIED

**UNCLASSIFIED**

FY98-97 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE: ULTRASONIC FLAW DETECTOR												DATE: FEBRUARY 1995	
ITEM/MFG					FISCAL YEAR 95					FISCAL YEAR 96					FISCAL YEAR 97					L A T E R			
PROCUREMENT YEAR					CALENDAR YEAR 95					CALENDAR YEAR 96					CALENDAR YEAR 97								
S	E	R	V	QTY	PROG	ACPT	BAL	1-Oct	1-Oct	1-Oct	1-Oct	1-Oct	1-Oct	1-Oct	1-Oct	1-Oct	1-Oct	1-Oct	1-Oct				
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**UNCLASSIFIED**

[illegible]

REMARKS



UNCLASSIFIED

REQUIREMENTS STUDY

DATE: FEBRUARY 1995

P-1 ITEM NOMENCLATURE: ULTRASONIC FLAW DETECTOR SYSTEM  
NSN: 6635-01-363-6674

APPROPRIATION / BUDGET ACTIVITY  
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

ASSETS

On Hand as of 31 Mar 94  
Due-In w/all Prior Years' Funds  
Due-In w/FY95 Funds  
TOTAL ASSETS:

484  
30  
0  
514

DISPOSALS (Planned & Projected thru FY96 FDP)

FY95 since as of date:  
FY96:  
FY97:  
FY98:  
FY99:  
TOTAL DISPOSALS ( 39 MONTHS)  
PROCUREMENT LEADTIME: 13 months

18  
14  
187  
  
219

TOTAL REQUIREMENT

482

APPROVED ACQUISITION OBJECTIVE

482

NET ASSETS:

295

ACTUAL TRAINING EXPENDITURE

FY95  
FY94  
FY93  
FY92  
FY91

Total FY96 Requirement  
Less Net Assets  
Required FY96 Procurement  
Planned FY96 Procurement

482  
295  
187  
144

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY95  
FY94  
FY93  
FY92  
FY91

Total FY97 Requirement  
Less Net Assets  
Less FY96 Planned Proc  
Required FY97 Procurement  
Planned FY97 Procurement

REMARKS: VARIANCE BETWEEN FY96 REQUIRED AND PLANNED PROCUREMENT DUE TO FUNDING CONSTRAINT.

P-1 SHOPPING LIST  
ITEM NO.

UNCLASSIFIED

UNCLASSIFIED

REQUIREMENTS STUDY

DATE: FEBRUARY 1995

P-1 ITEM NOMENCLATURE: ULTRASONIC FLAW DETECTOR SYSTEM

NSN: 6635-01-363-6674

APPROPRIATION / BUDGET ACTIVITY  
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT

ASSETS

On Hand as of 31 Mar 94  
Due-In w/all Prior Years' Funds  
Due-In w/FY96 Funds  
TOTAL ASSETS:

DISPOSALS (Planned & Projected thru FY97 FDP)

FY96 since as of date:  
FY97:  
FY98:  
FY99:  
FY00:  
TOTAL DISPOSALS ( 50 MONTHS)  
PROCUREMENT LEADTIME: 6 months

NET ASSETS:

ACTUAL TRAINING EXPENDITURE

FY96  
FY95  
FY94  
FY93  
FY92

ACTUAL OTHER THAN TRAINING EXPENDITURE

FY96  
FY95  
FY94  
FY93  
FY92

REMARKS:

INVENTORY OBJECTIVE

Number of Combat Loads  
Assets Required for Combat Loads  
Combat Expenditures  
War Reserve Requirement  
Annual Training  
Annual Testing  
Maintenance Pipeline  
Air Force Requirement  
Air National Guard Requirement  
Air Force Reserve Requirement

TOTAL REQUIREMENT

APPROVED ACQUISITION OBJECTIVE

PROCUREMENT REQUIREMENT

Total FY97 Requirement  
Less Net Assets  
Required FY97 Procurement  
Planned FY97 Procurement

TOTAL FY98 Requirement

Less Net Assets  
Less FY97 Planned Proc  
Required FY98 Procurement  
Planned FY98 Procurement

P-1 SHOPPING LIST  
ITEM NO.

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UNCLASSIFIED										DATE FEBRUARY 1995	
BUDGET ITEM JUSTIFICATION											
(EXHIBIT P-40)											
P-1 ITEM NOMENCLATURE Interim Contractor Support (ICS)											
APPROPRIATION/BUDGET ACTIVITY											
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT											
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001			
QUANTITY											
COST (In Mil)	\$7.607	\$2.384	\$2.280	\$1.782	\$ .839	\$ .872	\$ .898		\$ .925		

- A. DESCRIPTION/FUNCTION: Interim Contractor Support (ICS) is a pre-planned, temporary support alternative for the initial period of operational use of new U. S. Air Force weapon systems, equipment or modifications for which eventual organic support is planned. With ICS a contractor provides repair based on operational tempo, reliability and maintainability factors and past/projected failure rates. ICS incorporates non-recurring investment costs such as repair parts procurement, technical data and support equipment.
- B. PURPOSE OF PROCUREMENT: ICS is designed to provide a bridge from an acquisition process to an Air Force self-sustaining program. It allows time for support equipment development/delivery, training and training equipment development/delivery, technical data development/validation and spares identification/delivery.
- C. APPLICATION: Common support equipment ICS funding supports the B-1B, B-52, C-5, C-130, E-3, F-16, F-15, and KC-135 aircraft.

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)										D. DATE		
(Cost in thousands of dollars)										FEBRUARY 1995		
A. APPROPRIATION/BUDGET ACTIVITY		B. WEAPON MODEL/SERIES/ POPULAR NAME				C. MANUFACTURER NAME/PLANT/ CITY/STATE						
TITLE/NO.		INTERIM CONTRACTOR SUPPORT				LOCATION						
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT						N/A						
Weapon System Cost Elements		FY 1994			FY 1995			FY 1996			FY 1997	
IDENT CODE	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST

1. B-1B Intermediate ATE			2,000									
2. AN/USM-603 Elec Test Sta			1,300									
3. Engine Test/Trim Auto Sys			653						498			
4. Radio Freq Trans Line Tester			1,200						300			300
5. Mod Inter Dep Auto Test Sta			954									
6. Malf Anlys Data and Rec Sys			1,500						57			57
7. Digital Data Control Module									300			300
8. AN/ALM-195A									495			495
9. AN/USM-639									150			150
10. Transmitter Test Set									480			480
11. Benchtop Recon Auto Tester												
TOTAL			7,607			2,384			2,280			1,782

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## BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)

DATE FEBRUARY 1995

### P-1 ITEM NOMENCLATURE Items Less Than \$2,000,000

APPROPRIATION/BUDGET ACTIVITY		FY 1994		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001	
AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT																	
QUANTITY																	
COST (In Mil)		\$52.711		\$30.703		\$35.357		\$38.310		\$39.500		\$40.700		\$41.900		\$43.200	

A. DESCRIPTION/FUNCTION: Items less than \$2,000,000 procure replacement organizational and intermediate (common and peculiar) support equipment for out-of-production aircraft. These items, common (used on more than one weapon system) and peculiar (unique to one weapon system), are used in direct support of aircraft maintenance and servicing requirements. These replacement requirements ensure continuation of serviceable, supportable equipment over the life of a weapon system.

B. TYPE ITEM: All items are Code A.

A listing of items less than \$2,000,000 follows.

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FEBRUARY 1995

**FY96/97 PRESIDENT'S BUDGET  
BP 12 COMMON SUPPORT EQUIPMENT (CSE)  
ITEMS LESS THAN \$2M (DOLLARS IN MILLIONS)**

	NOUN	NSN	FY96		FY97	
			QTY	AMOUNT	QTY	AMOUNT
	PORTABLE X-RAY MACHINE	6635-01-142-9109	38	.843		
	ELECTRONIC TEST SET	6625-01-247-6378	5	1.407		
	POWER SUPPLY/FREQUENCY CONVERTER	6130-01-287-1621	70	1.963	69	1.992
	POWER SUPPLY/FREQUENCY CONVERTER	6130-01-241-6852			20	1.699
	TOOL KIT SWAGING	5180-01-374-8266	18	.978	5	.280
	REMOTE TRIMMER	4920-01-2465575	16	1.552		
	ENGINE TEST STAND	4920-00-438-3814	2	1.200		
	DIGITAL DATA CONTROL MONITOR	4920-01-334-7074DQ	7	1.093		
	CABIN LEAKAGE TESTER	4920-00-431-9397	49	1.046		
	NOISE SUPPRESSOR, DEMOUNTABLE	4920-01-070-2721	1	1.714		
	1.5 TON LOX/LIN PLANT	3655-00-722-3901	85	.603	85	.621
	ROTARY VACUUM PUMP	4310-00-898-9959	3	.252	23	1.986
	STAIRCASE TRUCK	1730-01-374-2604	4	1.500	5	1.875
	ADVANCED DIAGNOSTICS SYSTEM	NSL		.538		.471
	B-2 SUPPORT EQUIPMENT					
	SUBTOTAL			14.689		10.691
	ITEMS LESS THAN \$500,000					
	FEDERAL STOCK GROUP (FSG)					
	FSG 1730 (ACFT GROUND SERVICE EQUIP)			1.282		1.845
	FSG 4310 (PUMPS AND COMPRESSORS)			1.499		2.817
	FSG 4920 (ACFT MAINTENANCE SHOP SE)			6.489		8.831
	FSG 6115 (GENERATORS)			1.216		1.649
	FSG 6625 (ELECTRONIC TEST EQUIP)			3.015		4.620
	FSG 6635 (PHYSICAL PROP TEST EQUIP)			3.067		3.710
	OTHER			4.100		4.147
	SUBTOTAL			20.668		27.619
	TOTAL			35.357		38.310

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SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$ in Millions)										DATE		6-Feb-95	
(TY\$ in Millions)		Weapon System(If Applicable)				Equipment Nomenclature				PE			
Appropriation/P-1 Line Item		AMC UPGRADE								41897F, 54119F			
3010/BP12													
Fin Plan	FY94	FY95	FY96	FY97	FY98	FY99	FY00	FY01	Total				
Quantity	0	0	0	0	0	0	0	0	0				
Proc	15.442	39.977	35.719	14.003	46.59	27.145	26.414	28.590	233.880				
RDT&E													
O&S	2.000	6.000	0	0	0	0	0	0	8.000				
TRAINING SYSTEM DESCRIPTION													
<p>The AMC Upgrade program will reduce aircraft training flights by upgrading training devices to allow FAA Level C equivalent training. Pilots would then be qualified from ground training, significantly reducing aircraft hours. Systems involved are the C-5, C-141, KC-135, and KC-10. Upgrades include the C-5 Visual Systems and Database Generation Set; C-141 sound/buffet capability; KC-135 to provide six degree motion, computer upgrade, day/night/dusk wide field of view visual system; and KC-10 Boom Operator Trainer computation system upgrade, the Cockpit Procedure Trainer receives a new control loading system and a visual system, and an upgrade to the main simulator visual system to a state of the art day/night/dusk wide field of view visual system.</p>													
P-1 Shopping List		Page No.		EXHIBIT P-43									
Item No.		1 of 2		Simulator & Training Device Justification									
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SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 2) (TY\$ in Millions)										DATE: 6-Feb-95					
Training Device by Type				Weapon System (If Applicable)											
AMC UPGRADE				C-5, C-141, KC-135, and KC-10.											
Part of BP-12															
Description/Justification (\$ in Millions)				The AMC Upgrade program will reduce aircraft training flights by upgrading training devices to allow FAA Level C equivalent training. Pilots would then be qualified from ground training, significantly reducing aircraft hours.											
Pilot & maintenance training equipment															
Financial Plan				FY94		FY95		FY96		FY97		Cost to Complete		Total Cost	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
HARDWARE COSTS															
Device (Hardware)			15.442		18.077		12.319		8.603		65.639		120.08		0
ECO's			0		0		0		0		0		0		0
Nonrecurring			0		0		0		0		0		0		0
GFE			0		0		0		0		0		0		0
Other (Visual System)			0		21.9		23.4		5.4		63.1		113.8		0
Total Hardware Costs			15.442		39.977		35.719		14.003		128.739		233.88		0
SUPPORT COSTS															
Special SE			0		0		0		0		0		0		0
Integrated Logistics Supt.			0		0		0		0		0		0		0
Other(Specify)			0		0		0		0		0		0		0
Total Support Costs			0		0		0		0		0		0		0
Software/Courseware			0		0		0		0		0		0		0
TOTAL COSTS					15.442		35.719		14.003		128.739		233.88		0
				P-1 Shopping List Item No.				Page No.				EXHIBIT P-43			
				59				2 of 2							



P-40 FOR A NET P-1 COST

## BUDGET ITEM JUSTIFICATION SHEET

DATE February 6, 1995

## APPROPRIATION/BUDGET ACTIVITY

AIRCRAFT PROCUREMENT/BA07, POST PRODUCTION SUPPORT

## P-1 ITEM NOMENCLATURE

F-15E

	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	TO COMPLETE	TOTAL PROGRAM
QUANTITY	0	0	0	0	0	0	0	0	0	0
COST (MILLIONS)	0	0	14.0	11.6	8.7	8.7	8.7	8.8	8.9	60.7
INITIAL	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPARES	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL (MILLIONS)	0	0	14.0	11.6	8.7	8.7	8.7	8.8	8.9	60.7
UNIT COST (MILLIONS)	0	0	0	0	0	0	0	0	0	0

MISSION AND DESCRIPTION: The F-15 tactical fighter is designed for the counter air mission. Air-to-air tasks include combat air continental air defense, escort and fighter sweeps in or out of the enemy's ground-controlled intercept environment. The F-15 is a twin engine single crew fixed swept aircraft designed for high maneuverability in air-to-air combat. Two 24,000 lb. thrust, Pratt & Whitney F-100 turbofan engines enable the F-15 to reach a dash speed of mach 2.5.

The F-15E (Dual Rate Fighter) retains the basic air-to-air capability of the F-15 A-D tactical fighter and adds the systems necessary to meet the urgent requirement for all weather deep penetration and night/under-the-weather air-to-surface attack. It is a two seat aircraft configured with missionized cockpits, low altitude navigation, targeting and Infrared for night (Lantirn) capability automatic terrain following/terrain avoidance, and other improvements necessary to fulfill the deep penetration and night/under-the-weather air-to-air surface attack mission.

FY(BY)96 PROGRAM JUSTIFICATION: Interim Contractor Support is required to provide repair for critical air vehicle, engine, and ground support equipment assets from the time the equipment is fielded until the assets are organically supportable. SPO contractor support is required to support program management and administration and to improve the effectiveness of various management processes and procedures, including hazardous material management.

FY(BY)97 PROGRAM JUSTIFICATION: Interim Contractor Support and SPO contractor support is continuing as described in FY96 justification.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) (Dollars in Millions)	A. Appropriation/Budget Activity Title/No. 3010/10328A AF/BA07 Post Prod		B. Weapon Model/Series/ Popular Name F-15E/EAGLE		C. Manufacturer Name Plant City/State location McDonnell Douglas Corp. St. Louis, MO		D. Date Month/Year February 6, 1995		
	Ident. Code	FY94 Unit Cost	QTY: 12 Tot. Cost	FY95 Unit Cost	Qty: 0 Tot. Cost	FY96 Unit Cost	Qty: 0 Tot. Cost	FY97 Unit Cost	Qty: 0 Tot. Cost
Weapon System Cost Elements									
Airframes/GFE									
ENGINE/ACCESSORIES (Eng Model: Falcon 229)									
AVIONICS									
A. CFE									
B. GFE									
ARMAMENT									
OTHER GFE									
ECO (All Flyaway Components)									
NON-RECURRING COSTS									
(Tooling)									
(Other)									
OTHER COSTS									
Subtotal FLYAWAY COST									
AIRFRAME PGSE									
ENGINE PGSE									
AVIONICS PGSE									
PECULIAR TRAINING EQUIPMENT									
PUBLICATIONS/TECH. DATA									
ECO (All Support Items)									
OTHER (POST PROD SUPPORT)									
SUBTOTAL SUPPORT COST									
GROSS P-1 END COST									
NET P-1 FULL FUNDING COST (Must equal FY amount displayed on the P-40 exhibit)									
Plus Current Year ADV, PROC. Other Non P-1 Weapon System Costs									
Initial Spares									
Mods									
TOTAL									

## P-40 FOR A NET P-1 COST

BUDGET ITEM JUSTIFICATION SHEET										DATE	February 6, 1995
APPROPRIATION/BUDGET ACTIVITY					P-1 ITEM NOMENCLATURE						
AIRCRAFT PROCUREMENT/BA07, POST PRODUCTION SUPPORT					F-16 Production Support						
	PRIOR YEARS	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	TO COMPLETE	TOTAL PROGRAM
QUANTITY	0	0	0	0	0	0	0	0	0	0	0
COST (MILLIONS)	0	0	0	194.7	84.3	19.9	29.7	16.9	14.0	0	359.5
INITIAL SPARES	0	0	0	6.5	6.9	20.9	16.0	16.4	16.9	0	83.6
TOTAL (MILLIONS)	0	0	0	201.2	91.2	40.8	45.7	33.3	30.9	0	443.1
UNIT COST (MILLIONS)	0	0	0	0	0	0	0	0	0	0	0

MISSION AND DESCRIPTION: The F-16 Multimission Fighter is a single seat, fixed wing, high performance, single engine fighter aircraft. The design, optimized for the 0.8 Mach speed range, incorporated advanced technology features to enhance its combat capability while minimizing its acquisition, operating, and support costs. The advanced technology features include a high visibility, high "g" cockpit. The F-16 armament consists of a 20mm cannon, air-to-surface and air-to-air missiles, and approximately 11,000 pounds of conventional and guided air-to-surface ordnance. The F-16 will replace the F-4s in the active inventory as well as modernize the reserve forces. Specific subsystems will become organically supportable during the FYDP period.

FY96 PROGRAM JUSTIFICATION: This appropriation is for the initial contract award for prime contractor post production support of the F-16 weapon system, production line close down costs for the F-16 USAF program, program office mission support, and the procurement of deferred peculiar ground support equipment, weapon system training devices, and technical order support.

FY97 PROGRAM JUSTIFICATION: This appropriation is for the continuation of prime contract post production support, program office mission support, and the procurement of deferred peculiar ground support equipment, weapon system training devices, and technical order support.

FY96 and FY97 includes funding for Program Management Administrative (PMA) requirements for technical, engineering, and acquisition support to the F-16 Production Program.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) (Dollars in Thousands)		A. Appropriation/Budget Activity Title/No. Aircraft Proc AF/BA07 Post Prod		B. Weapon Model/Series/ Popular Name F-16 Fighter Falcon		C. Manufacturer Name Plant City/State location Lockheed, Ft Worth Co. Ft. Worth, TX		D. Date Month/Year February 6, 1995		
Weapon System Cost Elements		Ident. Code	FY94 Unit Cost	Qty: 0 Tot. Cost	FY95 Unit Cost	Qty: 0 Tot. Cost	FY96 Unit Cost	Qty: 0 Tot. Cost	FY97 Unit Cost	Qty: 0 Tot. Cost
Airframes/CFE										
ENGINE/ACCESSORIES (1 per A/C)										(0)
(Eng Model: F110)										9,534
AVIONICS										58,882
A. CFE										68,416
B. GFE										
ARMAMENT										
OTHER GFE										
ECO (All Flyaway Components)										
NON-RECURRING COSTS										
(Tooling)										40,222
(Other)										56,308
OTHER COSTS										96,530
Subtotal FLYAWAY COST										44,095
AIRFRAME PGSE										4,866
ENGINE PGSE										32,248
AVIONICS PGSE										7,051
PECULIAR TRAINING EQUIPMENT										8,342
PUBLICATIONS/TECH. DATA										1,540
Program Management Admin (PMA)										
OTHER (ICS)										98,142
Subtotal SUPPORT COST										194,672
GROSS P-1 END COST										0
LESS: PRIOR YR ADV. PROC (Breakout by Prior FY offunding)										84,311
NET P-1 FULL FUNDING COST (Must equal FY amount displayed on the P-40 exhibit)										84,311
Plus Current Year ADV. PROC.										
Other Non P-1 Weapon System Costs										6,895
Initial Spares										143,107
Mods										234,313
TOTAL				0			319,730			

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$000)										DATE	February 6, 1995
Appropriation/P-1 Line Item 3010		Weapon System(If Applicable) F-16 UTD			Equipment Nomenclature				PE 27133F		
Fin Plan	Prior Years 92-94	Current FY	BY96	BY97	BY2+1	BY2+2	BY2+3	BY2+4	Total		
Quantity	8	0	6	0	0	0	0	0	14		
Proc	20.42 *	0.00	4.87	4.97	4.57	5.77	0.00	0.00	40.60		
RDT&E											
O&S											
<b>TRAINING SYSTEM DESCRIPTION</b>  The Unit Training Device (UTD) is a low-cost, unit level trainer, designed for initial and continuation training in the areas of emergency procedures, LANTIRN, flight instrument training, air-to-air and air-to-ground weapon systems delivery. The UTD will be delivered to various USAF bases for their use at the unit level. This contract expires 30 Sep 98.  NOTE: FY95/F-10F Years are funded in BP10, BA 01. FY96 and subsequent years are funded in BP13, BA07.											
P-1 Shopping List Item No.			Page No. 1 of 3		EXHIBIT P-43 Simulator & Training Device Justification						



SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 3) (\$000)										DATE: February 6, 1995		
Training Device by Type					Weapon System (If Applicable)							
PE: 27133F (3010) (TY)					F-16 UTD							
Description/Justification												
The Unit Training Device (UTD) is a low-cost, unit level trainer, designed for initial and continuation training in the areas of emergency procedures, LANTIRN, flight instrument training, air-to-air and air-to-ground weapon systems delivery. The UTD will be delivered to various USAF bases for their use at the unit level.												
	Prior Years 92-94		Current Year 95		Budget Year 1		Budget Year 2		Cost to Complete		Total Cost	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost		
HARDWARE COSTS												
Device (Hardware)	8	4.00	0	0	6	4.32	0	0	0	0.78	14	8.32
ECO's						0.55		0.4				1.73
Nonrecurring		4.50						1.96				6.46
GFE		0.69								3.89		4.58
P3I												
Total Hardware Costs		9.19		0		4.87		2.36		4.67		21.09
SUPPORT COSTS												
Special SE												1.51
Integrated Logistics Supt.		1.51										
Other(Specify)												
Total Support Costs		1.51	0	0		0		0		0		1.51
Software/Courseware		9.72						2.61		5.67		18.00
TOTAL COSTS	8	20.42	0	0	6	4.87	0	4.97	0	10.34	14	40.6
P-1 Shopping List Item No.					Page No.			EXHIBIT P-43				
					3 Of 3							

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$000)										DATE February 6, 1995	
Appropriation/P-1 Line Item 3010		Weapon System(If Applicable) F-16 WST			Equipment Nomenclature Weapon System Trainer (WST)					PE 27133F	
Fin Plan	Prior Years	Current FY	BY96	BY97	BY2+1	BY2+2	BY2+3	BY2+4	Total		
Quantity	0	0	0	0	0	0	0	0	0		
Proc	583.14	4.09	2.19	0	0	1.2	1.19	1.19	593.0		
RDT&E	0	0	3.38	3.38	6.56	4.18	2.29	2.49	22.3		
O&S	0	0	0	0	0	0	0	0	0		

TRAINING SYSTEM DESCRIPTION		
<p>The F-16 WST provides initial and continuous training for all F-16 aircrew members, both active and reserve. There are USAF F-16 WST units throughout the world which require software changes and annual updates. These updates include: LANTIRN, Operational Flight Trainer (OFT) updates, and Improved Electronic Warfare Training Device (IEWTD) updates. There are no plans to procure additional WSTs; all of our updates involve software changes only to comply with aircraft modifications. The F-16 WST Program Manager expects that Unit Training Devices (UTDs) will replace the WST in FY 2000. For this reason, WST requirements end in FY 2000.</p>		
<p>Note: For 3010, FY95/Prior Years are funded in BP10, BA 01. FY96 and subsequent years are funded in BP13, BA 07.</p>		
P-1 Shopping List Item No.	Page No. 1 of 2	EXHIBIT P-43 Simulator & Training Device Justification



SIMULATOR AND TRAINING DEVICE JUSTIFICATION (Page 3) (\$000)										DATE: February 6, 1995	
Training Device by Type										Weapon System (If Applicable)	
F-16 Weapon System Trainer										F-16 WST	
Description/Justification											
The F-16 WST provides initial and continuous training for all F-16 aircrew members, both active and reserve. There are USAF F-16 WST units throughout the world which require software changes and annual updates. The F-16 WST Program Manager expects that Unit Training Devices (UTDs) will replace the WST in FY 2000.											
Financial Plan		Prior Years		Current Year		Budget Year 1		Budget Year 2		Cost to Complete	
Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
HARDWARE COSTS											
Device (Hardware)	22	134.34									134.34
ECO's											
Nonrecurring											
GFE											
Other(Specify)											
Total Hardware Costs		134.34	0		0		0		0		134.34
SUPPORT COSTS											
Special SE											
Integrated Logistics Supt.											
Other(Specify)											
Total Support Costs		0	0		0		0		0		0
Software/Courseware		448.80	4.09		2.19		0		3.58		458.66
TOTAL COSTS		583.14	4.09		2.19		0		3.58		593.00
				P-1 Shopping List Item No.				Page No.		EXHIBIT P-43	
								2 of 2			

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BUDGET ITEM JUSTIFICATION SHEET		Date: FEB 1995
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE	
AIRCRAFT PROCUREMENT/BA07, AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES	INDUSTRIAL PREPAREDNESS	

	FY 1994	FY1995	FY1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY								
COST (IN millions)	25.084	51.131	48.297	34.348	33.333	34.211	35.239	36.299

**Mission and Description:**

1. Air Force industrial activities combine the resources of several appropriations to create a comprehensive program. The goal is to ensure that the defense industry is capable of supplying reliable, cost-effective systems to operational commanders. Major elements in the program include management of government-owned industrial plants, the Defense Production Act Program, and support for industrial base assessment (IBA) activities. IBA activities characterize the critical sectors and industries within the industrial base and provide information on industrial capability issues for consideration during key budget allocation, weapon acquisition, and logistic support decision processes. Funds in this appropriation are to support the aircraft procurement segment of Air Force activities.

2. Although the elements of cost are broken down in greater detail, two basic activities are funded in this appropriation: Industrial Plants and Industrial Base Assessment.

A.B.C.D.F. and H. Air Force Industrial Plants cost elements. Consists of repair and expansion, major rehabilitation, environmental compliance, equipment movement and energy conservation at DoD-owned, contractor-operated industrial facilities. These plants are the backbone of DoD weapon system assembly and maintenance for the B-2, F-15, F-16, C-130, C-5B, and F-117 and future F-22.

E. Industrial Base Assessment cost element. Provides identification and analysis of problems, essential and endangered capabilities involving industrial base sectors (aircraft) to assess the capability of the industrial base to support AF requirements. Collection and maintenance of industrial (aircraft) data supports affordable acquisition and sustainability requirements.

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PROGRAM COST BREAKDOWN			Date: FEB 1995
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE		
AIRCRAFT PROCUREMENT/BA07, AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES	INDUSTRIAL PREPAREDNESS		

(Total Cost in Millions of Dollars)

ELEMENT OF COST	IDENT CODE	FY 1994		FY 1995		FY 1996		FY 1997	
		TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY
A. EXPANSIONS	1000								
B. PACKING, CRATING, & HANDLING	2000								
C. CAPITAL TYPE REHABILITATION	3000	3.043		8.429		8.839		6.305	
D. REPLACEMENT & MODERNIZATION	4000			8.378		14.058		3.848	
E. INDUSTRIAL BASE ASSESSMENT	6000	4.012		4.324		5.596		5.689	
F. ENVIRONMENTAL PROTECTION	7000	18.029		30.000		19.804		18.506	
G. INDUSTRIAL MODERNIZATION	8000								
H. ENERGY CONSERVATION	9000								
TOTALS		25.084		51.131		48.297		34.348	

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BUDGET ITEM JUSTIFICATION SHEET										Date: FEB 1995
APPROPRIATION/BUDGET ACTIVITY					P-1 ITEM NOMENCLATURE					
AIRCRAFT PROCUREMENT/BA07, AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES					BOMBER INDUSTRIAL BASE SUPPORT					
	FY94/PRIOR	FY1995	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001	TC	TOTAL
QUANTITY	0	0	0	0	0	0	0	0	0	0
COST (TY\$ IN Millions)	0.0	125.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	125.0

**Mission and Description:**

This program is designed to identify and preserve critical industrial capabilities necessary to support heavy bomber production. The program shall utilize the \$125M appropriated in FY 1995 to sustain B-2 production base capability for at least one more year while the department conducts an analysis to determine the proper long range, heavy bomber force structure.

**FY 1995 Program Justification:**

The primary efforts of the FY 1995 program are in sustaining the supplier base, re-establishing suppliers of production parts, production work orders, re-familiarization and tool restoration. These funds will also support bomber force structure and bomber industrial base analytical studies.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)					DATE		FEBRUARY 1995		
APPROPRIATION/BUDGET ACTIVITY APAF/WAR CONSUMABLES					BUDGET PROGRAM 1700 OVERVIEW				
	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001	
QUANTITY									
COST (In Mil)	\$17.906	\$18.445	\$25.479	\$31.451	\$32.411	\$33.546	\$34.555		\$35.592

A. DESCRIPTION/FUNCTION: This program provides initial/replacement War Consumables, and include commodities such as aircraft Tanks, Racks, Adapters, Pylons (TRAP) and Missile Launchers. These items (used on more than one weapon system) are used to support War Reserve Materiel (WRM) requirements or fleet inventory objectives.

B. PURPOSE OF PROCUREMENT: Items are being procured to fill deficits in WRM levels or fleet inventory objectives.

C. APPLICATION: Air Force maintained aircraft weapons systems.

D. REQUIREMENTS: Justifications are for fiscal years 1996 and 1997. Items required include launchers, adapters and inboard pylons.

E. SUMMARY OF FY96 - 97 PROCUREMENTS:

ITEM	COST(\$In Mil)	FY96	QTY	FY97	QTY
1) LAU-128/129 Missile Rail Launcher		16.362	909	9.247	508
2) Adapter, ADU-552/A		8.910	891	-	-
3) Inboard Pylon, SUU-59C/A		-	-	22.204	177
4) Items Less Than \$2M		0.207	8	-	-
<b>TOTAL</b>		<b>25.479</b>		<b>31.451</b>	

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)		DATE		FEBRUARY 1985				
APPROPRIATION/BUDGET ACTIVITY APAF/WAR CONSUMABLES		P-1 ITEM NOMENCLATURE LAU-118(v)4/A W/ACFT LAUNCHER INTERFACE COMPUTER (ALIC)						
	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001
	46	25	0	0	0	0	0	0
	\$3.806	\$2.357	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000
COST (In Mil)								

A. (U) Functional/Technical Description: The LAU-118(v)4/A ALIC Launcher is applicable to the F-16 aircraft. It is attached to the aft section of the LAU-118(v)4/A HARM launcher and provides an interface to the AGM-88 (HARM) anti-radiation missile. This interface is provided through the F-16C/D AGM-65 (Maverick) missile system and supplies missile targeting/tracking data and launch signals to on-board AGM-88 HARM missiles for defense suppression capability.

B. (U) Deficits/General Operational Requirements Satisfied by the Item Being Procured: The launchers are intended to replace those that are jettisoned in wartime. Normal peacetime stocks are insufficient to sustain projected wartime sortie rates. Procurement through FY95 procures WRM deficits for this item.

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**BUDGET ITEM JUSTIFICATION**  
**(EXHIBIT P-40)**

FEBRUARY 1995

**LATURE**  
**UNLEAD CRASHWORTHY 650 GALLON TANKS**

A. (U) Functional/Technical Description: The 650 Gallon (Crashworthy) External Pylon (CEP) is a pylon that is released during flight if necessary. There are two tanks per helicopter, both are jettisoned at the same time in case of an emergency.

B. (U) Deficits/General Operational Requirements Satisfied by the Item Being Procured: The crashworthy tanks have replaced older non-crashworthy versions; they are intended to replace those jettisoned in wartime. Normal peacetime operating stocks are insufficient to sustain projected wartime sortie rates. Procurement through FY95 fills all WRM deficits for this item.



BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)		DATE						
APPROPRIATION/BUDGET ACTIVITY APAF/WAR CONSUMABLES		P-1 ITEM NOMENCLATURE LAU-128/129 MISSILE RAIL LAUNCHER						
	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001
QUANTITY	577	623	909	508	0	0	0	0
COST (In Mil)	\$14,100	\$15,224	\$16,362	\$9,247	\$0,000	\$0,000	\$0,000	\$0,000

B. a. Deficits/General Operational Requirements Satisfied by the Item Procured: The LAU-128 Launcher program includes requirements for aircraft delivered with only AIM-9 Launchers (Pre Multi-Stage Improvement Program {MSIP} ) and WRM requirements. A total of 4,448 LAU-128's are required. At the end of the FY93 funded delivery period (FDP) 3,031 assets will be available leaving a shortfall of 1,417. Requested funding in the FY96/97 President's Budget will procure the remaining requirements.

b. Procurement through FY95 funded delivery period covers all deficits for LAU-129's.

C. Lack of available WRM stocks will prevent sustainment of projected wartime sortie rates for F-15's, impeding its wartime mission.



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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)										D. DATE FEBRUARY 1995	
(Costs in Thousands of Dollars)											
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.		B. WEAPON MODEL/SERIES/ POPULAR NAME		C. MANUFACTURER NAME/PLANT/ CITY/STATE							
APAF/WAR CONSUMABLES		Item Name: LAU-128/129 MISSILE RAIL LAUNCHER									
		FY 1994		FY 1995		FY 1996		FY 1997			
Weapon System Cost Elements		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	

1. LAU-128 (F-15)	A	0	\$ 0	\$ 0	0	\$ 0	\$ 0	909	\$ 18,000	508	\$ 18,200	9,247
2. LAU-129 (F-16)	A	577	24,437	14,100	623	24,437	15,224	0	0	0	0	0
TOTAL		577		14,100	623		15,224	909		508	0	9,247

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## BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)

A. DATE  
FEBRUARY 1995

(Costs in Thousands of Dollars)

### C. P-1 ITEM NOMENCLATURE

#### LAU-128/129 MISSILE RAIL LAUNCHER

### B. APPROPRIATION/BUDGET ACTIVITY

#### APAF/WAR CONSUMABLES

COST ELEMENT/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
LAU-128 (F-15)										
FY 1993 Lot VII	Marvin Eng. Co. CA	C/FP	AFMC/ASC	Jun 94	Feb 96	318	19.0			
FY 1996 Lot VIII	Marvin Eng. Co. CA	Option	AFMC/ASC	Nov 95	Dec 96	909	18.0	Yes	No	
FY 1997 Lot IX	Marvin Eng. Co. CA	Option	AFMC/ASC	Nov 96	Dec 97	508	18.2	Yes	No	
LAU-129 (F-16)										
FY 1994 Lot VI-A (1)	Hughes Inc. AL	SS/FP	AFMC/ASC	Dec 94	Dec 95	577	24.4	Yes	No	
FY 1995 Lot VI-A (1)	Hughes Inc. AL	SS/FP	AFMC/ASC	Dec 94	Dec 95	623	24.4	Yes	No	

D. REMARKS  
1 Reprourement Lot: Due to Previous Contractor Filing for Chpt 11 Bankruptcy in Apr 94; Contract Awarded Dec 94

Exhibit P-5a Procurement History and Planning 236

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FY1997 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE: LAU-128/129 MISSILE RAIL LAUNCHER												DATE: FEBRUARY 1995											
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FY 96/97 PRODUCTION SCHEDULE		P-1 ITEM NOMENCLATURE: LAU-128/129 MISSILE RAIL LAUNCHER		DATE: SEPTEMBER 1994		FISCAL YEAR 00											
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE
APPROPRIATION/BUDGET ACTIVITY APAF/WAR CONSUMABLES			P-1 ITEM NOMENCLATURE ADAPTER, ADU-552/A			
	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999
QUANTITY	0	0	891	0	0	0
COST (in Mil)	\$0.000	\$0.000	\$8.910	\$0.000	\$0.000	\$0.000

- A. Functional/Technical Description: The Guided Missile Launcher Adapter, ADU-552/A, is used to adapt the LAU-128 missile launcher to the inboard pylon on F-15A-D Multi-Stage Improvement Program (MSIP) modified and F-15E aircraft.
- B. Deficits/General Operational Requirements Satisfied by the Item Procured: The ADU-552/A Adapter's are intended to replace those jettisoned in wartime. Currently, there are 0 WRM assets are on-hand. Funding for 891 is requested in the FY96/97 President's Budget.
- C. Impacts: Lack of available WRM stocks prevents sustainment of projected wartime sortie rates for F-15's configured for LAU-128 Missile Launchers, impeding F-15 wartime mission.

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)										D. DATE FEBRUARY 1995	
A. APPROPRIATION/BUDGET ACTIVITY APAFWAR CONSUMABLES			B. WEAPON MODEL/SERIES/ POPULAR NAME Item Name: ADAPTER, ADU-552/A			C. MANUFACTURER NAME/PLANT/ CITY/STATE UNKNOWN					
Weapon System Cost Elements		IDENT CODE	FY 1994		FY 1995		FY 1996		FY 1997		
			QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
Adapter, ADU-552/A	A		0	\$ 0	\$ 0	0	\$ 0	\$ 0	0	\$ 0	\$ 8,910
TOTAL			0	\$ 0	\$ 0	0	\$ 0	\$ 10,000	0	\$ 0	\$ 8,910

P-1 SHOPP LIST ITEM NO. 64		PAGE NO.	Exhibit P-5 Weapon System Cost Analysis
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## BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)

(Costs in Thousands of Dollars)

A. DATE  
FEBRUARY 1995

### C. P-1 ITEM NOMENCLATURE

ADAPTER, ADU-552/A

### B. APPROPRIATION/BUDGET ACTIVITY

APAF/WAR CONSUMABLES

COST ELEMENT/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
------------------------------	-------------------------	------------------------------	------------------	---------------	------------------------------	----------	--------------	-----------------------	----------------------	--------------------------

\$

FY 1992  
FY 1996

MCDONNELL DOUGLAS  
ACFT. ST LOUIS, MO  
UNKNOWN

C/FP  
C/FP

AFMC/WR-ALC  
AFMC/WR-ALC

SEP 92  
MAY 96

OCT 93  
JUN 97

190 \*  
891

8.147  
10.000

NO

YES

D. REMARKS: (\*) 190 each procured in FY92 only for Alternate Mission Equipment (AME) requirements

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ITEM NO. 64

PAGE NO.

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P-1 SHOPPING LIST  
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)					DATE		FEBRUARY 1995	
APPROPRIATION/BUDGET ACTIVITY APAF/WAR CONSUMABLES			P-1 ITEM NOMENCLATURE INBOARD PYLON, SUU-59C/A					
	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001
QUANTITY	0	0	0	177	0	0	0	0
COST (In Mil)	\$0.000	\$0.000	\$0.000	\$22.204	\$0.000	\$0.000	\$0.000	\$0.000

- A. Functional/Technical Description: The Inboard Pylon SUU-59C/A is applicable to the F-15E aircraft. The pylon functions as connector between the aircraft weapon stores of 2 each AIM-9 or AIM-120 missiles, 600 gallon fuel tanks, and nuclear armament. In a wartime scenario, this pylon provides the aircraft with carriage and jettison capabilities of external fuel tank, and air-to-air/air-to-ground armament.
- B. Deficits/General Operational Requirements Satisfied by the Item Procured: The SUU-59C/A Inboard Pylons are intended to replace those jettisoned in wartime. At the end of Apr 95, 105 assets will be available leaving a shortfall of 177. Requested funding in the FY96/97 President's Budget will procure remaining requirements.
- C. Impacts: Lack of available WRM stocks will prevent sustainment of projected wartime sortie rates for F-15E's and prevent expenditure of pylons when necessary, ultimately endangering pilot life and impeding F-15E wartime mission.

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)										D. DATE			
(Costs in Thousands of Dollars)										FEBRUARY 1995			
A. APPROPRIATION/BUDGET ACTIVITY		B. WEAPON MODEL/SERIES/ POPULAR NAME			C. MANUFACTURER NAME/PLANT/ CITY/STATE			D. DATE					
TITLE/NO.		Item Name: INBOARD PYLON, SUU-59C/A			LOCATION			UNKNOWN					
Weapon System Cost Elements		FY 1994			FY 1995			FY 1996			FY 1997		
IDENT CODE		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST

SUU-59C/A, Inboard Pylon	A	0	\$ 0	\$ 0	0	\$ 0	\$ 0	0	\$ 0	\$ 0	177	\$ 125,446	\$ 22,204
TOTAL		0	\$ 0	\$ 0	0	\$ 0	\$ 0	0	\$ 0	\$ 0	177	\$ 125,446	\$ 22,204

P-1 SHOPP LIST ITEM NO. 64		PAGE NO.	Exhibit P-5 Weapon System Cost Analysis
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## BUDGET PROCUREMENT HISTORY PLANNING EXHIBIT (P-5A)

(Costs in Thousands of Dollars)

A. DATE  
FEBRUARY 1995

### C. P-1 ITEM NOMENCLATURE

### B. APPROPRIATION/BUDGET ACTIVITY APAF/WAR CONSUMABLES

### INBOARD PYLON, SUU-59C/A

COST ELEMENT/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPEC AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY 1988	MCDONNELL DOUGLAS ACFT, ST LOUIS, MO UNKNOWN	C/FP	AFLC/WR-ALC	NOV 87	SEP 89	5	83.000			
FY 1997		C/FP	AFMC/WR-ALC	MAY 97	JUL 98	177	125.446	YES	NO	

\$

D. REMARKS

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Exhibit P-5a Procurement History and Planning

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EXHIBIT P-21

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**BUDGET ITEM JUSTIFICATION  
(EXHIBIT P-40)**

**DATE**  
FEBRUARY 1995

APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE				ITEMS LESS THAN \$2M: ADAPTER, ADU-578	
APAF/WAR CONSUMABLES		FY1995	FY1996	FY1997	FY1998	FY1999	FY2000
QUANTITY		0	8	0	0	0	0
COST (In Mil)		\$0.000	\$0.207	\$0.000	\$0.000	\$0.000	\$0.000

A. (U) Category consists of ADU-578 Adapters. Funding in FY96 covers WRM requirements necessary to sustain projected wartime sortie rates.

B. (U) Specific FY96 requirements are listed below:

ITEM	QTY	COST	TOT COST
ADU-578 Adapter	8	\$25,900.00	\$ 207,200.00
<b>TOTAL</b>	<b>8</b>		<b>\$ 207,200.00</b>

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BUDGET ITEM JUSTIFICATION SHEET								DATE
APPROPRIATION/BUDGET ACTIVITY				P-1 NOMENCLATURE				
AIRCRAFT PROCUREMENT, AF/BA 07 OTHER PRODUCTION CHARGES				OTHER CHARGES				
	FY(PY) 94	FY(CY) 95	FY(BY) 96	FY(BY+1) 97	FY(BY+2) 98	FY(BY+3) 99	FY(BY+4) 00	FY(BY+4) 01
QUANTITY	0	0	0	0	0	0	0	0
COST (in thousands)	607,195	234,870	157,096	314,117	298,020	273,411	269,434	360,066

These programs provide for items which (1) are not directly related to other procurement line items in this appropriation, (2) cannot be reasonably allocated and charges to other procurement line items in this appropriation, (3) can be managed as separate end items, and (4) contains certain classified programs.

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P-1900

DATE: Feb 95

## FY 1996/1997 PRESIDENT'S BUDGET SUBMISSION OTHER PRODUCTION CHARGES (Dollars in Thousands)

### BP1900 SUMMARY

	<u>FY 94</u>	<u>FY 95</u>	<u>FY 96</u>	<u>FY 97</u>
Classified Programs	270,339	50,051	30,277	130,781
ECM Support	14,315	9,687	10,036	10,265
Interim Contractor Support	1,796	1,297	1,573	2,569
Range Improvement	8,115	26,421	3,795	29,354
LANTIRN	26,771	13,611	10,643	39,220
NAVSTAR GPS (User Equipment)	66,925	69,817	41,866	48,075
KC-135 Cargo Rollers	98	3,805	0	0
GBU-15/AGM-130 Improved Data Link	12,295	10,824	0	0
E-3A (NATO AWACS)	88,337	2,913	52,310	46,775
F-117	109,655	37,556	0	0
Flight Screening	392	107	0	0
Training (Offensive)	5	0	0	0
Pollution Prevention	8,152	8,780	6,596	7,078
Defense Airborne Reconnaissance Program*	0	0	12,468 *	28,529 *
TOTAL COST (As currently reflected in line P-63)	607,195	234,870	169,564	342,646
REVISED TOTAL COST (excluding line P-65 costs)	607,195	234,870	157,096	314,117

\*Dollars that belong in line P-65 were inadvertently placed in line P-63.

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DATE: Feb 95

FY 1996/1997 PRESIDENT'S BUDGET SUBMISSION  
OTHER PRODUCTION CHARGES  
(Dollars in Thousands)

PROJECT TITLE: Classified Programs

DESCRIPTION/JUSTIFICATION: Details of the following programs are available on a need-to-know basis.

PROJECTED FINANCIAL PLAN:

BASIS FOR COST ESTIMATE

Special Evaluation Program	1,713	2,787	2,870	2,222
Compass Call	24,714	4,013	8,026	6,371
Classified Programs	0	40,566	19,381	122,188
Advanced Program Evaluation	1,787	2,232	0	0
Tactical Crypt Activities	10,472	0	0	0
Missile and Space Technology	9,086	0	0	0
Senior Year	221,608	0	0	0
Forest Green	959	453	0	0
TOTAL COST	270,339	50,051	30,277	130,781

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DATE: Feb 95

FY 1996/1997 PRESIDENT'S BUDGET SUBMISSION  
OTHER PRODUCTION CHARGES FACT SHEET  
(Dollars in Thousands)

PROJECT TITLE: ECM Support

MODELS OF AIRCRAFT APPLICABLE: A-10, B-1, B-52, F-15, F-16, F-4G, F-111, EF-111, MC-130  
AC-130, C-130, MH-53J, MH-60, OV-10

DESCRIPTION/JUSTIFICATION: Funds are required by the Electronic Warfare Avionics Integrated Support Facility (EW AISF) to directly support the Electronic Warfare Integrated Reprogramming (EWIR) process. The EW AISF manages Major Command requirements and procures unique and replacement equipment critical to USAF aircraft defensive systems capability and combat readiness. EWIR enables global reach/global power projection, and includes requirements for EW systems software upgrades, hardware maintenance for existing EW system reprogramming support facilities, computer acquisition and upgrades, support equipment software maintenance, aircraft EW system reprogramming software tools, intelligence data manipulation software, threat emitter simulation lab test equipment supporting technology insertion programs, data transmission communications equipment and EW system software emulation models. This program also supports the Fast Photo project.

DEVELOPMENT STATUS: Production prototypes are acquired for evaluation prior to production.

PROJECTED FINANCIAL PLAN:

	<u>FY 94</u>	<u>FY 95</u>	<u>FY 96</u>	<u>FY 97</u>
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BASIS FOR COST ESTIMATE:

TRAINING EQUIPMENT	14,315	9,687	10,036	10,265
TOTAL COST	14,315	9,687	10,036	10,265

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DATE: Feb 95

FY 1996/1997 PRESIDENT'S BUDGET SUBMISSION  
OTHER PRODUCTION CHARGES FACT SHEET  
(Dollars in Thousands)

PROJECT TITLE: Interim Contractor Support

MODELS OF AIRCRAFT APPLICABLE: N/A

DESCRIPTION/JUSTIFICATION: Funds provide logistics support suite for the transition to organic capability for NAVSTAR GPS (User Equipment) in FY94 through FY97. The F-111 ICS in FY94 and FY95 supports the ALR-621 to maintain LRUs while developing depot support capability.

PROJECTED FINANCIAL PLAN:

	<u>FY 94</u>	<u>FY 95</u>	<u>FY 96</u>	<u>FY 97</u>
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BASIS FOR COST ESTIMATE:

F-111	968	937	0	0
NAVSTAR GPS (User Eq)	828	360	1,573	2,569
TOTAL COST	1,796	1,297	1,573	2,569

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DATE: Feb 95

FY 1996/1997 PRESIDENT'S BUDGET SUBMISSION  
OTHER PRODUCTION CHARGES FACT SHEET  
(Dollars in Thousands)

PROJECT TITLE: Range Improvement

MODELS OF AIRCRAFT APPLICABLE: F-4, A-10, F-15, F-16, F-111

DESCRIPTION/JUSTIFICATION: Air Combat Training Systems (ACTS) provide equipment for Air Force ranges to support training/evaluation of aircrews and operational testing of weapon systems and tactics under simulated combat conditions. Originally, range instrumentation systems were known as Air Combat Maneuvering Instrumentation (ACMI) systems. However, the nomenclature has changed over the years to better reflect system upgrades and specific uses of individual systems. The second generation systems, capable of handling 36 aircraft simultaneously, are referred to as Measurement and Debriefing Systems (MDS). The overall range instrumentation systems are now known as Air Combat Training Systems, are interoperable with Navy ranges, and provide the capability to train aircrews in air-to-air combat, air-to-ground combat, and electronic warfare, while providing real-time monitoring and control of aircraft during large force exercises and recording events for post-mission debrief and analysis. The pods are airborne systems of ACTS and provide altitude, position, and vector tracking data plus other aircraft avionics and weapon event data.

DEVELOPMENT STATUS: P-4AX, P-4AW, P-4B, and P-4BX pods and associated test sets are complete. The P-4 series contained a radar altimeter, UHF transmitter, and aircrew prompting system. Pods developed/procured beginning in FY96 will have GPS capability.

PROJECTED FINANCIAL PLAN:

	<u>FY 94</u>	<u>FY 95</u>	<u>FY 96</u>	<u>FY 97</u>
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BASIS FOR COST ESTIMATE:

ACMI PODS	8,115	26,421	3,795	29,354
TOTAL COST	8,115	26,421	3,795	29,354

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DATE: Feb 95

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FY 1996/1997 PRESIDENT'S BUDGET SUBMISSION  
OTHER PRODUCTION CHARGES FACT SHEET  
(Dollars in Thousands)

PROJECT TITLE: Low Altitude Navigation and Targeting Infrared System for Night (LANTIRN)

MODELS OF AIRCRAFT APPLICABLE: F-16C, F-16D, and F-15E

DESCRIPTION/JUSTIFICATION: The LANTIRN system provides USAF forces with the capability to conduct close air support and interdiction missions at night and under-the-weather in F-15E and F-16C/D fighter aircraft. LANTIRN includes development and production of a wide-angle roster heads-up display, a navigation pod, targeting pod, and associated support equipment. The navigation pod contains a fixed forward-looking infrared (FLIR) sensor; the targeting pod contains a gimbaled FLIR, a laser designator, an automatic tracker, a missile boresight correlator, and growth provisions for an automatic target recognizer. LANTIRN provides the capability not only to attack at night, but also to attack with precision laser guided weapons day or night and in conditions of limited visibility. The addition of a laser spot tracker (LST) being developed for the targeting pod will give LANTIRN additional capability for the F-16 close air support mission. LST procurement will begin in FY97. The FY95 and FY96 funding supports the software updates required to correct the deficiencies resulting from initial operation of the targeting pod, and to maintain system capability with software updates to either or both aircraft suites. Additionally, the funds provide for correction of deficiencies (reduced slew delays, tracker improvements, reduced FLIR picture jitter, space stabilized search mode) identified primarily from F-15E operations in Desert Storm.

PROJECTED FINANCIAL PLAN:

	<u>FY 94</u>	<u>FY 95</u>	<u>FY 96</u>	<u>FY 97</u>
BASIS FOR COST ESTIMATE:				
PROGRAM COST	26,771	13,611	10,643	39,220
TOTAL COST	26,771	13,611	10,643	39,220

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FY 1996/1997 PRESIDENT'S BUDGET SUBMISSION  
OTHER PRODUCTION CHARGES FACT SHEET  
(Dollars in Thousands)

PROJECT TITLE: NAVSTAR Global Positioning System (GPS) User Equipment

MODELS OF AIRCRAFT APPLICABLE: B-2, C-17A, C-130, E-8, F-117, and F-16

DESCRIPTION/JUSTIFICATION: NAVSTAR GPS is a space-based radio navigation system that provides users with precise position, velocity, and time using passive receivers on a day/night all-weather world-wide basis. These funds provide for the procurement of user equipment for the above aircraft.

PROJECTED FINANCIAL PLAN:

	<u>FY 94</u>	<u>FY 95</u>	<u>FY 96</u>	<u>FY 97</u>
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BASIS FOR COST ESTIMATE:

Non-recurring/Integration	66,925	69,817	41,866	48,075
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TOTAL COST	66,925	69,817	41,866	48,075
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DATE: Feb 95

FY 1996/1997 PRESIDENT'S BUDGET SUBMISSION  
OTHER PRODUCTION CHARGES FACT SHEET  
(Dollars in Thousands)

PROJECT TITLE: KC-135 Cargo Rollers

MODELS OF AIRCRAFT APPLICABLE: KC-135

DESCRIPTION/JUSTIFICATION: The KC-135 Cargo Roller program will enhance airlift capability and add flexibility to airlift operations by providing KC-135 aircraft with an inherent capability to carry 463L palletized cargo. This will allow each KC-135 to carry up to six 463L pallets of approximately 5,000 pounds each on standard cargo rollers equipped with side rails and locks. The addition of cargo rollers will also improve KC-135 throughput, making the aircraft ideal for high priority channel missions. No funding is required beyond FY95.

PROJECTED FINANCIAL PLAN:

	<u>FY 94</u>	<u>FY 95</u>	<u>FY 96</u>	<u>FY 97</u>
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BASIS FOR COST ESTIMATE:

PROGRAM COST	98	3,805	0	0
TOTAL COST	98	3,805	0	0

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DATE: Feb 95

FY 1996/1997 PRESIDENT'S BUDGET SUBMISSION  
OTHER PRODUCTION CHARGES FACT SHEET  
(Dollars in Thousands)

PROJECT TITLE: GBU-15/AGM-130 Improved Airborne Data Link Pod

MODELS OF AIRCRAFT APPLICABLE: F-15E and F-111F

DESCRIPTION/JUSTIFICATION: The GBU-15 and AGM-130 are data link precision guided weapons. The airborne data link pod provides the applicable aircraft with the standoff capability to guide these weapons to a designated target. The Improved Data Link system is a more reliable, jam resistant data link, consisting of an aircraft pod data terminal, weapon data terminal, and peculiar support equipment. No funding is required beyond FY95.

PROJECTED FINANCIAL PLAN:

	<u>FY 94</u>	<u>FY 95</u>	<u>FY 96</u>	<u>FY 97</u>
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BASIS FOR COST ESTIMATE:

PROGRAM COST	12,295	10,824	0	0
TOTAL COST	12,295	10,824	0	0

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DATE: Feb 95

FY 1996/1997 PRESIDENT'S BUDGET SUBMISSION  
OTHER PRODUCTION CHARGES FACT SHEET  
(Dollars in Thousands)

PROJECT TITLE: NATO AWACS

MODELS OF AIRCRAFT APPLICABLE: E-3A

DESCRIPTION/JUSTIFICATION: This project provides the US contribution to the NATO Airborne Early Warning and Control Modernization Program (NAMP), a seven-year program to update NATO E-3s with capabilities similar to US, UK, and French E-3s under the 1990 addendum to the Multinational Memorandum of Understanding. NAMP upgrades include the anti-jam radio (HAVE QUICK A-Nets), JTIDS TADIL J Data Link, improved COMSEC equipment (ANDVT), and color consoles. Joint US/NATO Cooperative developments include Electronic Support Measures (ESM) and Radar System Improvement Program (RSIP). NATO's E-3s provide air and maritime surveillance for allied forces in the NATO area of operations.

PROJECTED FINANCIAL PLAN:

	<u>FY 94</u>	<u>FY 95</u>	<u>FY 96</u>	<u>FY 97</u>
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BASIS FOR COST ESTIMATE:

AWACS	88,337	2,913	52,310	46,775
TOTAL COST	88,337	2,913	52,310	46,775

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DATE: Feb 95

FY 1996/1997 PRESIDENT'S BUDGET SUBMISSION  
OTHER PRODUCTION CHARGES FACT SHEET  
(Dollars in Thousands)

PROJECT TITLE: F-117

MODELS OF AIRCRAFT APPLICABLE: F-117

DESCRIPTION/JUSTIFICATION: The F-117A Stealth Fighter is the world's first operational aircraft to exploit low observable stealth technology. It can use a variety of weapons to attack high priority targets anywhere in the world. It is designed to penetrate dense threat environments and hit targets with pinpoint accuracy. Its sophisticated navigation and attack systems increase mission effectiveness and reduce pilot workload. The Other Production Charges (BA-07) provide for changes to the aircraft which were initiated prior to its being declassified. These include Infrared Acquisition and Designation System (IRADS) turret upgrade, the offensive capabilities improvement program and replacing the current inertial navigation system with a ring laser gyro plus a GPS receiver. A total of 59 aircraft have been delivered. The first was delivered in 1982; the last in 1990. Initial operational capability was achieved in 1983.

PROJECTED FINANCIAL PLAN:

	<u>FY 94</u>	<u>FY 95</u>	<u>FY 96*</u>	<u>FY 97*</u>
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BASIS FOR COST ESTIMATE:

PROGRAM COST	109,655	37,556	0	0
TOTAL COST	109,655	37,556	0	0

\* Costs beyond FY95 have been transferred to BPAC 11F117, F-117 modifications.

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DATE: Feb 95

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FY 1996/1997 PRESIDENT'S BUDGET SUBMISSION  
OTHER PRODUCTION CHARGES FACT SHEET  
(Dollars in Thousands)

PROJECT TITLE: Flight Screening

MODELS OF AIRCRAFT APPLICABLE: N/A

DESCRIPTION/JUSTIFICATION: This project provides resources to conduct USAF Academy's T-41C Pilot Indoctrination and Glider/Parachuting Airmanship Programs.

PROJECTED FINANCIAL PLAN:

FY 94 FY 95 FY 96 FY 97

BASIS FOR COST ESTIMATE:

PROGRAM COST	392	107	0	0
TOTAL COST	392	107	0	0

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DATE: Feb 95

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FY 1996/1997 PRESIDENT'S BUDGET SUBMISSION  
OTHER PRODUCTION CHARGES FACT SHEET  
(Dollars in Thousands)

PROJECT TITLE: Training (Offensive)

MODELS OF AIRCRAFT APPLICABLE: B-1, B-52

DESCRIPTION/JUSTIFICATION: Funds support the Bomber Aircraft Instrumentation System (BAIS) which is the interface to allow bomber aircraft to use existing instrumented bombing ranges such as RED FLAG Mission Debriefing System (MDS), USAF Air Combat Maneuvering Instrumentation System (ACMI) ranges, and Navy Tactical Air Combat Training System (TACTS) ranges. The BAIS interface will provide the means to capture real-time bomber position, electronic warfare, and weapon systems information for no-drop weapons and mine scoring, and will provide for ground and air-breathing threat engagements for debriefing aircrew training. No funding is required beyond FY94.

PROJECTED FINANCIAL PLAN:

	<u>FY 94</u>	<u>FY 95</u>	<u>FY 96</u>	<u>FY 97</u>
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BASIS FOR COST ESTIMATE:

TRAINING EQUIPMENT	5	0	0	0
TOTAL COST	5	0	0	0

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DATE: Feb 95

FY 1996/1997 PRESIDENT'S BUDGET SUBMISSION  
OTHER PRODUCTION CHARGES FACT SHEET  
(Dollars in Thousands)

PROJECT TITLE: Pollution Prevention

MODELS OF AIRCRAFT APPLICABLE: N/A

DESCRIPTION/JUSTIFICATION: Installations and Government Owned, Contractor Operated (GOCO) facilities throughout the Air Force require and are authorized equipment, facility projects, and services that must be acquired to accomplish the DoD and Air Force pollution prevention goals. These goals are a direct result of the Pollution Prevention Act of 1990, Montreal Protocol, Executive Order 12856, and the DoD Comprehensive Pollution Prevention Strategy. This budget item identifies the pollution prevention initiatives required to reduce and prevent harmful releases of hazardous and toxic materials to air, land, ground water, and surface water. It includes equipment, projects, and services such as freon recovery projects, vapor degreaser replacements, recycling equipment, and hazardous waste reduction projects.

PROJECTED FINANCIAL PLAN:

FY 94                      FY 95                      FY 96                      FY 97

BASIS FOR COST ESTIMATE:

PROGRAM COST	8,152	8,780	6,596	7,078
TOTAL COST	8,152	8,780	6,596	7,078

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BUDGET ITEM JUSTIFICATION SHEET										DATE	Feb-95
APPROPRIATION/BUDGET ACTIVITY					P-1 NOMENCLATURE						
AIRCRAFT PROCUREMENT, AF/BA 07, OTHER PRODUCTION CHARGES					Common ECM Equipment						
	FY(PY) 94	FY(CY) 95	FY(BY) 96	FY(BY+1) 97	FY(BY+2) 98	FY(BY+3) 99	FY(BY+4) 00	FY(BY+5) 01			
QUANTITY											
COST (in thousands)	25,915	16,761	4,871	4,698	4,642	5,222	5,484	5,809			
These programs provide for electronic countermeasures and related support equipment which (1) is not directly related to other procurement line items in this appropriation, (2) cannot be reasonably allocated and charged to other procurement line items in this appropriation, and (3) can be managed as separate end items. This procurement line item also contains certain classified programs.											
ALQ-184/ALQ-131	9,540	10,378	4,871	4,698	4,642	5,222	5,484	5,809			
ALQ-99 TJS	16,375	6,383	0	0	0	0	0	0			
	25,915	16,761	4,871	4,698	4,642	5,222	5,484	5,809			

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BUDGET ITEM JUSTIFICATION SHEET							DATE																												
APPROPRIATION/BUDGET ACTIVITY		P-1 NOMENCLATURE																																	
AIRCRAFT PROCUREMENT, AF/BA 07, OTHER PRODUCTION CHARGES		ALQ-184/ALQ-131																																	
	FY(PY) 94	FY(CY) 95	FY(BY) 96	FY(BY+1) 97	FY(BY+2) 98	FY(BY+3) 99	FY(BY+4) 00	FY(BY+5) 01																											
QUANTITY																																			
COST (in thousands)	9,540	10,378	4,871	4,698	4,642	5,222	5,484	5,809																											
<p>MISSION AND DESCRIPTION: This project supports the acquisition of kits to modify the ALQ-119 into the ALQ-184 and ALQ-131 Block II pod configurations to counter Soviet terminal and airborne interceptor radar systems.</p> <p>PROGRAM JUSTIFICATION: The FY95 funding provides funding for software upgrades, ECPs, program support, and product improvement. The FY96 and FY97 requests provide funding for software upgrades, ECPs, program support, and product improvement to continue the FY95 effort.</p> <p>COOPERATIVE AGREEMENTS: ALQ-184 - None</p> <p>ALQ-131:</p> <table border="1"> <thead> <tr> <th>Country</th> <th>Effective Date</th> <th>Expiration Date</th> </tr> </thead> <tbody> <tr> <td>Bahrain</td> <td>Jun-89</td> <td>Dec-94</td> </tr> <tr> <td>Egypt</td> <td>Oct-92</td> <td>Sep-95</td> </tr> <tr> <td>Egypt</td> <td>Apr-89</td> <td>Jun-95</td> </tr> <tr> <td>Israel</td> <td>Nov-86</td> <td>Dec-94</td> </tr> <tr> <td>Japan (2)</td> <td>Oct-93</td> <td>Sep-94</td> </tr> <tr> <td>Netherlands (2)</td> <td>Oct-91</td> <td>Dec-94</td> </tr> <tr> <td>Pakistan</td> <td>Nov-89</td> <td>Oct-94</td> </tr> <tr> <td>Portugal</td> <td>Dec-92</td> <td>Nov-94</td> </tr> </tbody> </table>									Country	Effective Date	Expiration Date	Bahrain	Jun-89	Dec-94	Egypt	Oct-92	Sep-95	Egypt	Apr-89	Jun-95	Israel	Nov-86	Dec-94	Japan (2)	Oct-93	Sep-94	Netherlands (2)	Oct-91	Dec-94	Pakistan	Nov-89	Oct-94	Portugal	Dec-92	Nov-94
Country	Effective Date	Expiration Date																																	
Bahrain	Jun-89	Dec-94																																	
Egypt	Oct-92	Sep-95																																	
Egypt	Apr-89	Jun-95																																	
Israel	Nov-86	Dec-94																																	
Japan (2)	Oct-93	Sep-94																																	
Netherlands (2)	Oct-91	Dec-94																																	
Pakistan	Nov-89	Oct-94																																	
Portugal	Dec-92	Nov-94																																	

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AIRCRAFT COST ANALYSIS (Dollars in Thousands)	A. Aircraft Model		B. Popular Name ALQ-184/131		C. Manufacturer Raytheon		D. Date Feb-95	
	QTY 0		QTY 0		QTY 0		QTY	
	FY 94 Unit Cost	Total Cost	FY 95 Unit Cost	Total Cost	FY 96 Unit Cost	Total Cost	FY 97 Unit Cost	Total Cost
1. AIRFRAME/CFE								
2. ENGINE/ACCESSORIES (PER A/C) (Engine Model: )								
3. AVIONICS: CFE GFE								
4. ARMAMENT								
5. OTHER GFE								
6. ECO (ALL FLY-AWAY COMPONENTS)								
7. NON-RECURRING COSTS								
8. OTHER COSTS								
9. FLY-AWAY COSTS		0		0		0		0
10. AIRFRAME PGSE								
11. ENGINE PGSE								
12. AVIONICS PGSE								
13. PECULIAR TRAINING EQUIPMENT								
14. PUBLICATIONS/TECH DATA								
15. ECO (ALL SUPPORT ITEMS)		9,540		10,378		4,871		4,698
16. OTHER (CFTS)								
17. INTERIM CONTRACTOR SUPPORT								
18. SUPPORT COSTS		9,540		10,378		4,871		4,698
19. GROSS P-1 COST		9,540		10,378		4,871		4,698
20. LESS: PRIOR YEAR ADV PROC		0		0		0		0
21. NET P-1 COST		9,540		10,378		4,871		4,698

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PROCUREMENT HISTORY AND PLANNING										DATE: Feb 95	
APPROPRIATION/BUDGET ACTIVITY										P-1 ITEM NOMENCLATURE	
AIRCRAFT PROCUREMENT/AF, BA 07, OTHER PRODUCTION CHARGES										ALQ-184/131	
LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACT BY	P/R RELEASE DATE	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW?	SPECS REVISION REQUIRED?	IF YES, WHEN AVAIL?
Kit FY93	Raytheon	FFP	USAF	Jan-93	Jan-94	Aug-95	101	950	Yes	No	N/A
REMARKS: Contract is an FY88 document with dates, prices, and deliveries established as annual options.											

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BUDGET ITEM JUSTIFICATION SHEET								DATE
APPROPRIATION/BUDGET ACTIVITY								ALQ-99
P-1 NOMENCLATURE								
AIRCRAFT PROCUREMENT, AF/BA 07, OTHER PRODUCTION CHARGES								
	FY(PY) 94	FY(CY) 95	FY(BY) 96	FY(BY+1) 97	FY(BY+2) 98	FY(BY+3) 99	FY(BY+4) 00	FY(BY+5) 01
QUANTITY	43	0	0	0	0	0	0	0
COST (in thousands)	16,375	6,383	0	0	0	0	0	0
<p>MISSION AND DESCRIPTION: This project supports upgrades to the ALQ-99 Tactical Jamming System (TJS) which improves the system availability and jamming effectiveness. The EF-111 aircraft is being retired in FY97, and the ALQ-99 upgrades are being cancelled in FY95. No work is being done in FY95 or beyond based on the program cancellation.</p>								
<p>COOPERATIVE AGREEMENTS: None</p>								

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AIRCRAFT COST ANALYSIS (Dollars in Thousands)	A. Aircraft Model		B. Popular Name ALQ-99		C. Manufacturer Grumman		D. Date Feb-95	
	QTY 43		QTY		QTY		QTY	
	FY 94 Unit Cost	Total Cost	FY 95 Unit Cost	Total Cost	FY 96 Unit Cost	Total Cost	FY 97 Unit Cost	Total Cost
1. AIRFRAME/CFE	311	13,373						
2. ENGINE/ACCESSORIES (PER A/C) (Engine Model: )								
3. AVIONICS: GFE (Band 4) GFE (Band 9/10)								
4. ARMAMENT								
5. OTHER GFE		1,004						
6. ECO (ALL FLY-AWAY COMPONENTS)		198						
7. NON-RECURRING COSTS								
8. OTHER COSTS								
9. FLY-AWAY COSTS		14,575		0				
10. AIRFRAME PGSE								
11. ENGINE PGSE								
12. AVIONICS PGSE		1,800		6,383				
13. PECULIAR TRAINING EQUIPMENT								
14. PUBLICATIONS/TECH DATA								
15. ECO (ALL SUPPORT ITEMS)								
16. OTHER (CFTS)								
17. INTERIM CONTRACTOR SUPPORT								
18. SUPPORT COSTS		1,800		6,383				
19. GROSS P-1 COST		16,375		6,383				
20. LESS: PRIOR YEAR ADV PROC		0		0				
21. NET P-1 COST		16,375		6,383		0		0

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PROCUREMENT HISTORY AND PLANNING										DATE: Feb 95	
APPROPRIATION/BUDGET ACTIVITY										P-1 ITEM NOMENCLATURE	
AIRCRAFT PROCUREMENT/AF, BA 07, OTHER PRODUCTION CHARGES										ALQ-99	
LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACT BY	P/R RELEASE DATE	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW?	SPECS REVISION REQUIRED?	IF YES, WHEN AVAIL?
Kit											
FY93	AEL	FPI	USAF	Feb/Jun 94	Feb/Jun 94	Aug-96	N/A		YES	NO	N/A
FY94	ARINC ITC	LOE LOE	USAF USAF	Oct-94 Oct-94	Nov-94 Nov-94	N/A N/A	N/A N/A	800 1,000	N/A N/A	N/A N/A	N/A N/A
REMARKS: No work is being done in FY95 or beyond based on the program cancellation.											

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